TAILORED TESTING FOR SELECTION AND ALLOCATION

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TAILORED TESTING FOR SELECTION

AND ALLOCATION.

VOLUME 2

ANNEXES I TO XV

LIST OF ANNEXES

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ANNEX I

Previously published papers

OCCASIONAL NOTE APRE 41/73 (ON)

THE POTENTIAL USE OF TAILORED TESTING FOR ALLOCATION TO ARMY EMPLOYMENTS

by

M. C. Killcross

and

A. Cassie

ARMY PERSONNEL RESEARCH ESTABLISHMENT

OCCASIONAL NOTE No 41/73

THE POTENTIAL USE OF TAILORED TESTING FOR ALLOCATION TO ARMY EMPLOYMENTS

by

M C Killcross

And

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THE POTENTIAL USE OF TAILORED TESTING FOR ALLOCATION TO ARMY EMPLOYMENTS

by

M C Killcross

And

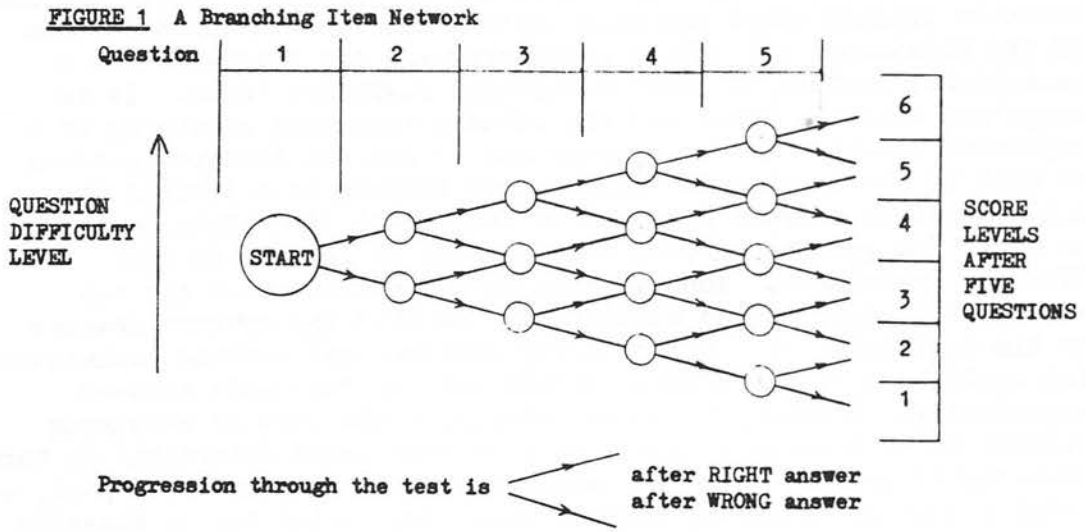
A Cassie

Although one speaks of the Army as a collective whole, it does in fact embody a large range of occupations, skills and specialisations. At the recruit selection stage the problems are of two main types: is the applicant suitable for the Army employment of his choice or - more difficult to answer - in which employment can the man's skills most effectively be developed and used, equally for himself and for the Army. With something like 100 different trades available it presents a sizeable problem in vocational allocation, particularly for the entrant who is not committed to a particular trade. In UK all Army recruits, outside Scotland, now go through a single central selection process where the main instruments in both the selection and the vocational allocation procedures are the interview and a conventional battery of paper-and-pencil cognitive tests. It is recognised that the tests and the battery represent something of a compromise between what is appropriate to aid the decision process and what is practicable for large group testing in a limited time. Each individual recruit presents an individual allocation problem for which the general purpose test battery is seldom the most effective instrument. Ideally each recruit should have his own test battery, constructed specifically to give the optimum measure for his particular abilities. Using conventional testing techniques this would be quite impossible unless each entrant were treated individually. However, tailored testing, - the idea of measuring aptidude or attainment by a sequence of test items determined in turn individually and optimally for each person from a large item pool, - presents a means of moving towards this ideal which may be feasible in a high volume centre.

What we are going to do now is spend a little time providing a basic background in tailored testing (TT) for those not familiar with the topic, and then move on to Army Personnel Research Establishment's (APRE's) short-term and long-term research plans in this area.

The basis of TT is the existence of some built-in capacity for the adjustment of a testing procedure to the individual testee. Each person receives a test-treatment tailored to some extent to suit him: two other names given to this kind of adjustable procedure are individualised testing and adaptive testing. There are some parallels between TT and programmed teaching procedures.

One obvious variable in the possible approaches to TT is the degree of adjustment that the approaches allow. To take as an example a fairly sophisticated degree of tailoring, this would usually mean that some kind of testing terminal linked to a computer must be used. This testing terminal may be a TV screen and keyboard, for example; one test question from an available question stock is displayed on the screen and the testee keys in his answer. Which test question to display next is decided at the time on the basis of what is already known about the testee and especially on the basis of how he has done on the questions so far presented to him. Such a matching of test items to the individual testee on the basis of accumulating information is programmed into and carried out by the linked computer. Such a high degree of flexibility in putting a tailored test together demands, among other things, a large available stock of questions - tried and tested questions of known characteristics. This item pool or item bank may take the form of a structured network which may be as shown in FIG 1. This shows the first five stages of a pyramid-shaped branching item network. All testees start with the same START question on the left and move through the network towards the right taking upward or downward courses depending on whether their answers to questions are right or wrong.



After the five stages shown, six levels of differentiation or scores may be noted - as given at the right of FIG 1. Many testees could work simultaneously at individual terminals and go their individual ways through the item network.

In contrast to this high degree of flexibility, if we look at the simpler, less adjustable, end of the TT spectrum, there are approaches like two-stage testing. Here all testees take the same initial test which is used as a routing device to direct individual testees to one

of a number of second stage tests which vary in some systematic way. Most commonly second-stage cognitive tests would vary in difficulty level - but for, say, assessing occupational interests the second-stage tests could concentrate on more narrowly defined occupational areas. Such two-stage testing requires little if any advanced technology and its component tests can be constructed by only slight adaptation of conventional test constructional techniques.

So much than is by way of introduction to TT. In its more flexible manifestations it is best regarded as a new testing method: in some ways it is a hybrid form with clear ancestry in both group-testing (from which it takes standardisation of presentation but not uniformity of content) and in individual-testing (from which it develops individualisation of content but not individual administration): however, it is not only a favourable hybrid but also a mutant with some novel characteristics, two of the more significant of these may be the ready variability of test length and the ready availability of item response times.

The virtues that have been claimed for TT all stem from its increased time-on-target which results in both a direct mechanical improvement in reliability and arguably in an indirect improvement in motivation, this following the increased appropriateness of the material presented. A number of studies have shown increased validity as compared with conventional pencil-and-paper tests, or equivalent validity within shorter testing times: some studies have also shown superior sensitivity of TT to the distribution of the characteristics being tested. It is, however, a mistake to try to evaluate TT solely in terms of comparisons with conventional tests; in some situations conventional tests are, in their own terms, superior to TT, but TT also has attributes not available in conventional testing and which are lost in any comparison - and I shall be saying more about both these points later.

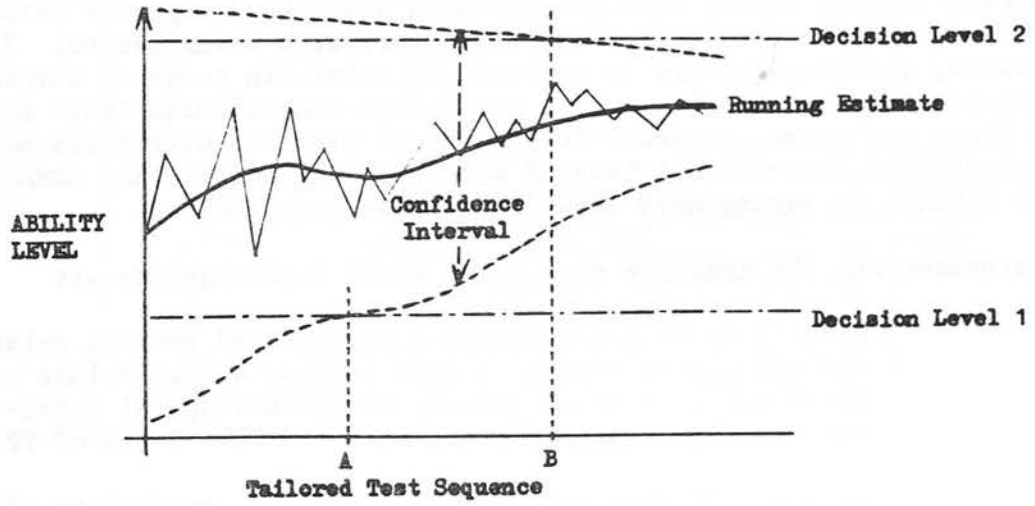
The reason why the Army now sees TT as worth investigating are

> Firstly as it now operates a centralised recruit selection and allocation system it does possess a high-volume centre which would or could justify the technological infra-structure necessary for the more flexible forms of TT.
>
> Secondly TT does potentially offer the possibility of expanding the range of cognitive skills assessable by testing without expanding the testing time. This is possible not only because of probable time saving in individual test areas but also through the widening of the concept of tailored testing from the individual test to the test battery. In the same way that an individual test can be tailored to suit a testee by selective drawing from an item pool covering one area, so can the battery taken by an individual testee be tailored to suit him by selective drawing from a test pool covering a variety of cognitive areas - In a simple example instead of all testees taking a standard battery of five tests they might all take two tests in common areas and then a further

three selected from an available pool covering ten cognitive areas. The proper basis for adjusting the test battery to match the individual brings me to the third reason for believing TT to be a beneficial research area.

Thirdly, by integrating the test measurement procedures with the decision processes of a selection/allocation system it is believed that TT - "tailored" now conceived in a general systems sense - can direct the information gathering (and perhaps also the information disseminating) processes of both testing and interviewing so as to collect information of enhanced quality in relation to the specific decisions appropriate to the individual testee. Tailoring is thus regarded as extending to the occupational preferences of the individual recruit, to the qualifications for the available Army employments, and to decisions on his acceptability for specific jobs. FIG 2 illustrates a simple integrated testing/decision process.

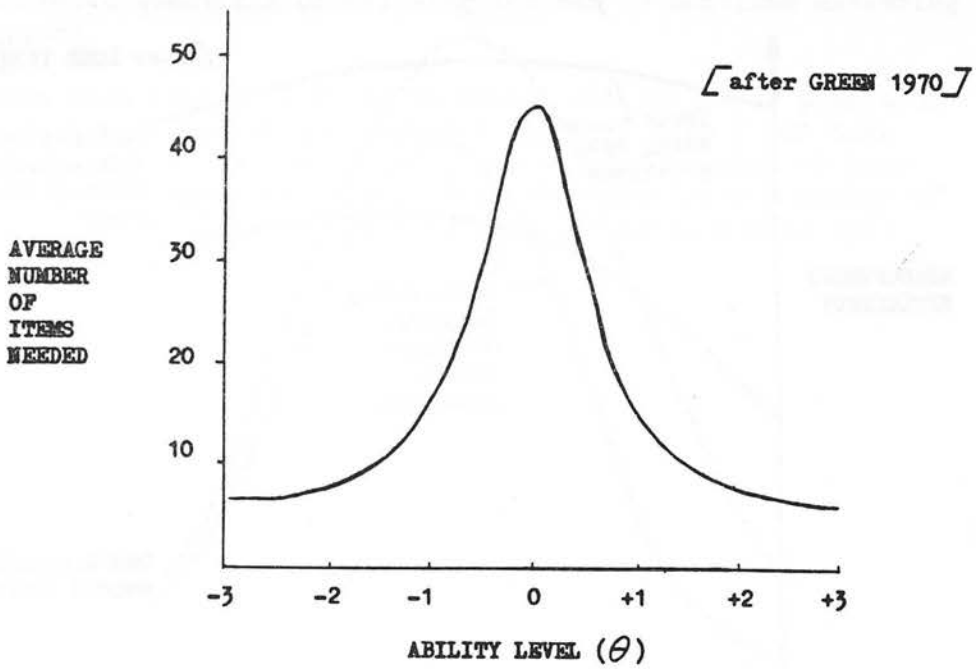
FIGURE 2 A Test/Decision Procedure



The solid curve plots the running estimate for a testee of the characteristic being measured. Initially when based on only a few items the estimate is error prone and has a very wide confidence band. As testing proceeds the running estimate settles down and the confidence band narrows. Decision Levels 1 and 2 represent qualifying levels for two possible employments. At point A in the testing sequence along the horizontal axis the lower confidence limit goes above Decision

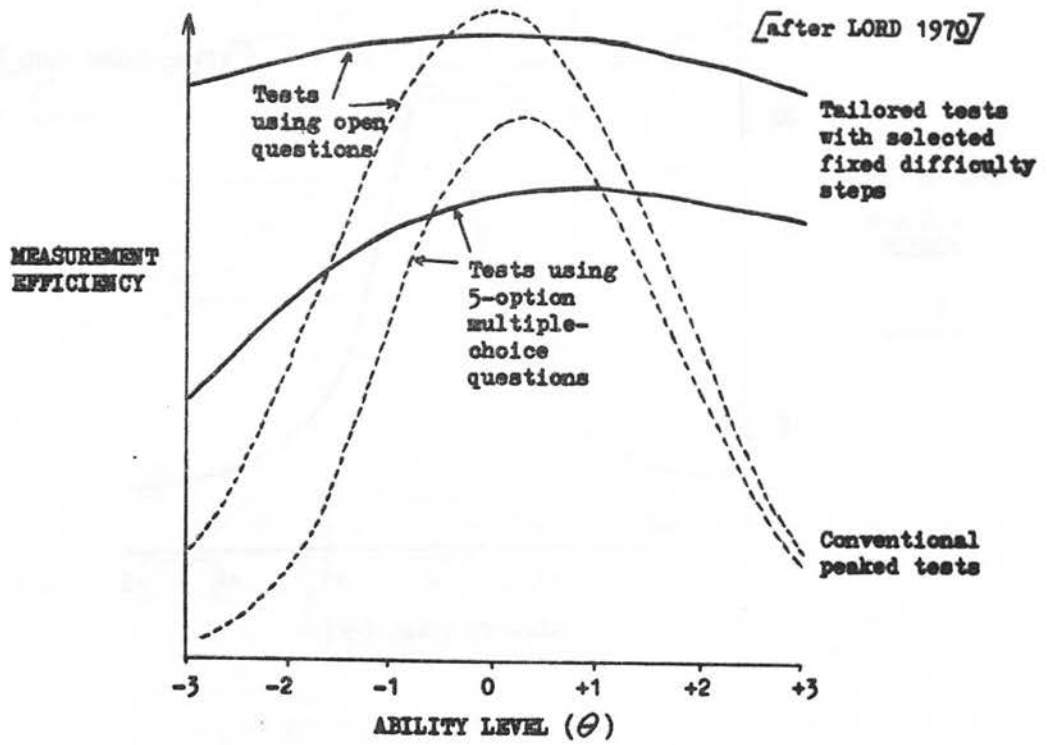
Level 1, the testee is thus acceptable for this job and testing could stop here if this were the only option. Later in the sequence at point B the upper confidence limit falls below Decision Level 2 and testing then stops with the testee acceptable for employment 1 but not for employment 2. Less able applicants would establish their unsuitability sooner as would more able applicants their suitability. Testing continues for as long as necessary and no longer. FIG 3 shows the average number of items necessary in a TT approach to match the Operating Characteristic curve (for the decision Ability Level, θ, less than 0) of a conventional test of 60 items - both approaches drawing on identical items. Note that as pre-tailored items are used the gains are entirely from the ability of TT to stop earlier ie from decision tailoring not from item tailoring.

FIGURE 3 **The average number of tailored test items needed to obtain a corresponding operating characteristic curve to a 60-item peaked test**



The form of TT to be investigated in APRE's current research plan uses an item pool and visual display units (VDU's) linked to a computer. It is not, however, planned to employ an item pool structured into a branching network such as that described earlier. The item pool will rather take the form of a catalogued stock or item library; from this library the item most closely approximating a specification generated for the next item required will be drawn. There will be no pre-specified network of routes, simply classified items and rules of procedure. The research will concentrate both on the technical psychometric aspects of this form of TT and on the nature and effect of such VDU interaction on a testee. The psychometric factors of research interest centre on the rules of procedure and the characteristics of the item library. The general ideas are those of zeroing in on an applicant's ability and of stopping testing once criteria for specified decisions are met. Topics of interest are the difficulty levels of successive items, the detailed formulation of item selection and testing termination rules, and the interactions between these requirements and the characteristics of ideal and real item libraries. These topics have been explored to varying extents already by several workers. FIG 4 illustrates the kind of results that have come from a series of theoretical studies. Here the measurement efficiency

FIGURE 4 Comparisons of Measurement Efficiency



of branched-item-network-tailored-tests (the solid curves) are compared with conventional peaked tests of the same length (the dotted curves) both with and without chance success, - that is for tests with multiple-choice questions and with open questions. The horizontal axis plots ability level, and the peaked tests consist of items of equal difficulty optimum for Ability Level $\theta = 0$.

The peaked tests are most measurement-efficient around the average level of ability and relatively poor outside this middle range, while the tailored tests have a much flatter curve generally superior except about the average (where, of course, most people are). The with-chance success curves are lower, illustrating a degradation of measurement efficiency resulting from the possibility of guessing correctly; however, the assumption made here is of random guessing which probably over-estimates the loss. Especially for TT random guessing may be rare. Note that it is measurement efficiency that is being comapred here not selection or allocation utility; there is item tailoring here but no decision tailoring. The tailored tests diagrammed in Fig 4 used a fixed step change in level of difficulty between successive items; certain shrinking step size procedures have been investigated and offer marginal gains on the curves displayed here, but their item networks need to be much larger.

Looking now at the man/machine factors pertinent to the testee/VDU interaction, testee motivation will be of major interest. One possibility that has been raised is that of the effect on motivation of immediate feedback of item performance, or alternatively for multiple-choice questions of allowing testees to continue answering until correct.

What I have been trying to do is to sketch out the major points of this research area and APRE's research aims. I hope I may have aroused the interest of some of you, and we will be glad to hear from those with common interests. The references give a number of entry points to the literature; Lord 1974 and Weiss & Betz 1973 are helpful reviews.

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A TAILORED TESTING SYSTEM FOR SELECTION AND ALLOCATION IN THE BRITISH ARMY

A paper presented at the 18th International Congress of Applied Psychology, Montreal, August 1974

All three British services have been all volunteer regular forces for a dozen years or more, and in that sense the Army competes for civilian manpower resources just as any other large employer. The Army's selection procedure for Other Ranks is in two stages: the first of these is a screening stage and is carried out relatively locally at what are called Army Careers Information Offices. Such Offices are spread over UK located in about 70 of the larger towns. At an Information Office the applicant and the Army have the chance to weigh up each other, and the vast majority of the Yes/No decisions of both sides are taken at this first stage. The second stage is a centralised and more extended affair. Successful applicants are passed on from Information Offices and attend one of a small number of Selection Centres for 2 - 2½ days. Part of this time is taken up with extensive job briefing - aiming at informing the applicant in greater detail about what employments are available, what they entail, and what kind of people they require. This job briefing continues the process of occupational guidance begun at Information Offices in search of a good job match for each recruit. At the second stage an eventual match of interests between applicant and Army tends to be assumed - although the applicant still retains full freedom of action - and the emphasis is on finding the most appropriate placement or allocation. Besides giving information to applicants, information is obtained about applicants, and part of the procedures consists of conventional group testing in which a standard battery of cognitive paper-and-pencil tests and an occupational interest measure are administered. It is this conventional testing that tailored testing would replace.

Why do we want to replace conventional trusted procedures? They have these limitations.

(i) Any standard battery represents a compromise between the differing requirements of the range of jobs being selected for. Such a battery is not optimal for all (or even any) jobs taken individually.

(ii) The need for group administration constitutes a rigid time-table requirement, and makes individualised arrangements difficult.

and (iii) In a group test the questions chosen are another compromise, this time with the range of ability encountered. Easy questions are needed to put the less able on the measuring scale, and so on. For any individual testee the sample of questions will not generally be ideal as it will contain many questions which are too easy or too hard to be informative.

Hence at the individual level neither the most appropriate tests nor the most appropriate questions will generally be used. What a standard battery achieves is some kind of modal optimum, something which caters well for the typical kind of job and the usual kind of applicant. The less-than-common will generally not be well served. These are the penalties to be set against the well known benefits.

By tailored testing is meant here a computer assisted testing situation similar to that encountered in say Computer Assisted Instruction. Extensive libraries of test questions are held in computer storage, and the testee sits down at a computer linked Visual Display Unit (VDU) and keyboard. The advantage of this medium of presentation is that the questions asked can be chosen to suit the testee, who will receive:

(i) A selection of tests appropriate to the employments under consideration, i.e. not a standard battery but a selected battery,

and (ii) Within each test a selection of questions, each question being chosen dynamically based on his performance on the questions he has so far attempted.

So in this way the test questions are tailored to his ability level, and the test areas are tailored to his job aspirations. Many applicants can still be tested at the same time, i.e. testing in a group, but each at his own VDU-and-keyboard will receive an individualised or adaptive measurement programme. Hence individually flexible testing is achieved, in which behaviour can be sampled more relevantly, while still operating in a group setting and remaining suitable for large numbers. Tailored testing, moreover, can do more than simply replace group testing with something technically better; because it is continuously available at individual applicant level, and, because it does not need a fixed time-table spot, more flexible selection centre procedures become feasible allowing individualised attention. Also worth consideration are the motivational and ethical merits of a system which is individually based and which allows the individuality of the applicant to be more fully recognized and respected.

To illustrate one approach to tailored testing take the case where we are trying to measure an Ability. This is being measured on a continuous scale on which our applicants will have a certain frequency distribution: consequently we will know - in advance of testing for any individual applicant - that in 90% of cases his ability will lie between certain lower and upper values: 10% of applicants will fall outside these boundary values and so constitute decision errors if taken to be within the 90% cut-offs. This ready evaluation of decision errors in terms of the proportion of people falling on the contrary side of a cut-off to that decided has shaped the measurement philosophy adopted. The task of psychological measurement given this philosophy can be construed as that of pursuing the boundary values (or error contours) (either lower, or upper, or both, as appropriate) to such a point that the risks attendant on decisions become acceptable.

In the Army's two stage system the selection centre has information from the first stage. This prior information includes screening-test scores and educational qualifications which can localise an applicant's boundary values more closely than the general limits. Thus the starting point for tailored testing at a selection centre is the prior ability distribution of similar previous candidates. Given this prior distribution and an individual candidate seated at his VDU the task is to select an appropriate first question. Some questions will be better than others - "better" here meaning more informative. Questions which would be predominantly answered in one way by the peer group would yield relatively little information. So what question is to be picked? For the moment assume the candidate is given a relatively easy question "A" which he answers correctly.

Figure 1 shows four ability distributions.

(i) The all-applicants distribution.

(ii) The local prior distribution for peer group applicants.

(iii) The local distribution for those applicants who get question A right.

(iv) The distribution derived from (ii) and (iii) (shown as a dotted line) of the slightly more elite group who demonstrate both behaviours.

The dotted distribution then becomes the prior distribution for the next question and so on with the resulting distribution becoming increasingly localised.

When a question is answered correctly this tells us something about the lower boundary of the testee's ability - with specified confidence his ability can be said to be unlikely to be below a determinable value - say, below L in Figure 1. As far as the upper boundary is concerned there will be no direct evidence as long as the testee continues to get questions right - there will only be the default evidence from the peer group distribution. Direct evidence will only become available when he gets a question wrong. Hence when giving a tailored test the general strategy will be to follow a right answer with a harder question, and to follow a wrong answer with an easy question - so that an overall balance between right and wrong answers will be created; and then these sub-sets of right and wrong answers will be used separately to localise the lower and upper boundaries of a candidates local distribution.

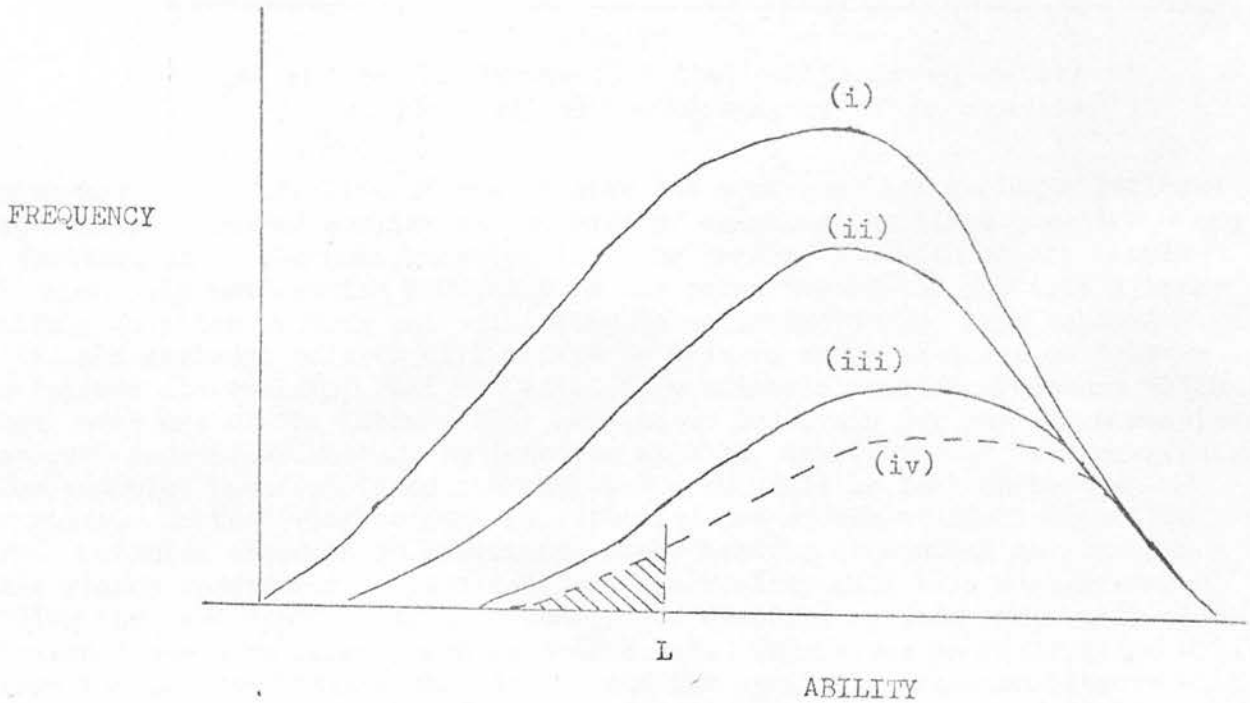

FIGURE 1: Frequency distributions of the ability of four groups

Figure 2 shows examples of cumulative question-right and question-wrong distribution curves: if DL and DU are the acceptable decision risks for the lower and upper cut-offs then the estimated ability of the testee at this point in testing is given by the range L to U. There are advantages in pursuing the lower and upper boundaries separately in this way, but there are other possibilities - such as (in multiple-choice questions) distinguishing different wrong answers and using the separate local distributions, particularly those for the distractors chosen by the more able groups, to adjust the tails of both lower and upper boundary local distributions. The time taken to answer a question - which is readily available in computer assisted testing - could also possibly be used in the same way.

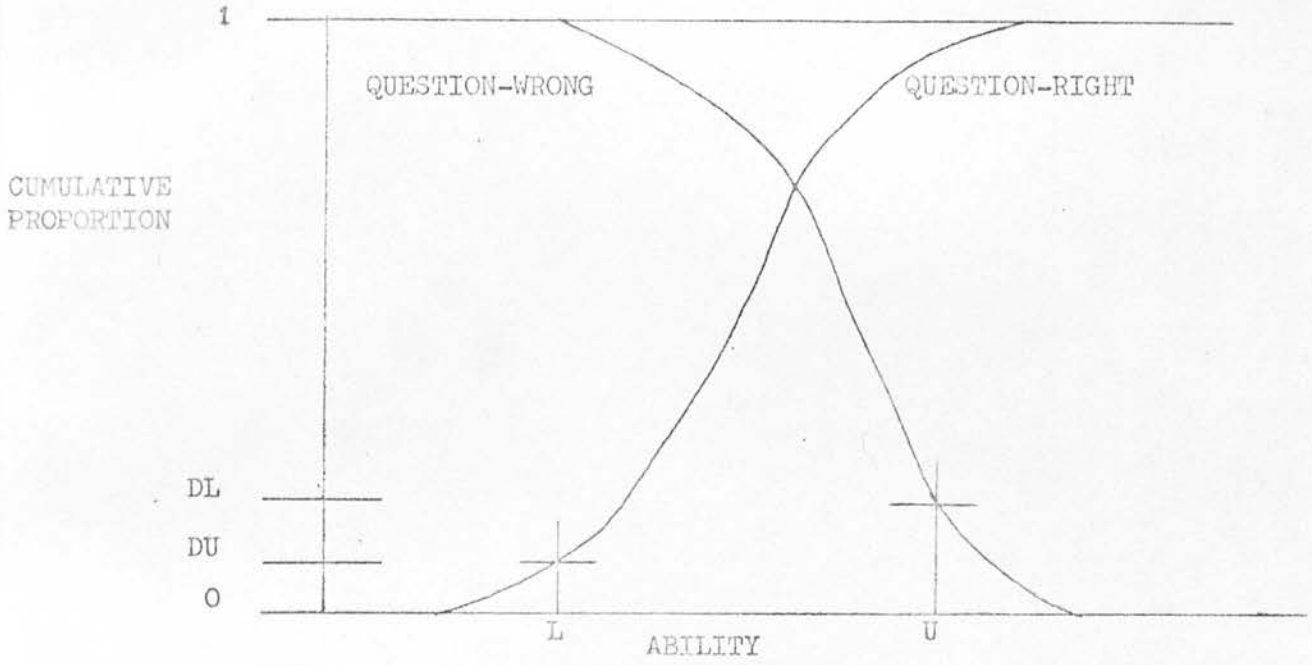

FIGURE 2: Two Cumulative Distributions based separately on the right and wrong answers of respondents

Returning now to the question of how to pick the next question during a tailored testing session - raised earlier in the case of choosing the first question - and going further, if the next question is to be harder, how much harder should it be? A major consideration here must be the actuality of the question library available. Question writing and validating is an imprecise and time consuming activity, and although efforts will always be made to extend a question library and to improve its quality, what is wanted is a tailored testing procedure which will make best use of the library that happens to exist and not one which requires an elaborate question-structure to function at all. Some tailored testing strategies are, for example, based on fixed item net-works but this is felt to be too prescriptive. Instead what we want is effective use of the available question library. Detailed attempts at optimizing steps between sequential questions are for this reason considered impractical, and the reality will be a matter rather of finding the best approximation to some ideal question specification with which the available question library can be approached. This ideal specificiation will stem from the current local distribution, and the available question library will be searched for the best match. One specification with attractive simplicity would be to find a question which for the given local distribution of ability would produce equal numbers of right and wrong answerers. Another, more favoured, approach is to specify the next question in terms of what might be called tail-overlap. For example when locating the next harder question, this question would be chosen such that its 10th percentile fell at the 20th percentile of the existing

question-right distribution. This concentration on the tail of the distribution (lower or upper) is appropriate because this is where the evaluation of the decision risks will come from, and additionally a question is being selected which - if answered correctly - will move the lower boundary in an effective way. The concept of using the distribution tails, does, of course, call for appropriate tail-indices to be available. Whereas a conventional item analysis will have indices of difficulty-level and discrimination (say percentage passing and the biserial or point biserial correlation coefficient), what would be wanted would be indices of tail location and tail bluntness or steepness.

A remaining choice in tailored testing is when to stop, and this is a substantial asset. Some decisions can be quickly made and it would be pointless to prolong testing further. Testing may be stopped either when a decision risk becomes acceptable or when the range of the localised ability distribution has reduced to some specified value.

Apart from the way in which tailored testing is seen by the individual testee, what might be termed the foreground activity, there is also a background necessary to provide a supporting framework.
Three of these background system requirements are:

(i) The capacity for introducing new questions into the system.
Until enough information is available about new questions (to allow them either to be taken into the question library or to be rejected) the system should introduce appropriate new questions in small numbers into tailored testing sessions simply to allow information to build up. In this way also test development can be established on a continuous footing with new questions regularly being input to the library and testing being based on the best sub-set of questions that the tailoring procedures can extract.

(ii) The monitoring of existing questions.
The information on which a question was accepted into a library should be continuously updated as the result of accumulating question experience. Questions whose values become unacceptable should be deleted. Similarly data on question usage will be helpful in identifying future question-writing targets.

(iii) The calibration of the system in relation to job performance standards.
For example, if the quality of applicants improves this has to be distinguishable from questions becoming easier, or if training for particular jobs becomes more demanding the system cut-offs need corresponding modification. This calibration requirement exists for conventional testing: tailored testing encourages the idea of adopting continuous follow-up checks of subsequent job performance; direct measurement calibration in terms of various criteria would be possible. Calibration could also take into account any moderating characteristics of an individual applicant - such as membership of a minority group - and in this way provide a tailored prediction.

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1 AUGUST 1974

ANNEX II

Recruit records

Explanation

This Annex is first referred to on p. 111. It contains the raw answer sheet data of 4,472 recruit records obtained during the administration of the twelve 20-item tests.

In format the Annex has two records on each line. The start of each record is a serial number. The start of each test is signalled by a serial number of 8888 followed by the test number. The test number is repeated in each record and occupies character positions 5 & 6. Positions 7 & 8 hold the raw standard verbal test score, and positions 9 & 10 the corresponding attainment band. Positions 11 to 30 hold the answers given to the 20 items or 0 for omit. In the 8888 test header line the answer positions hold the correct answers.

8888	1	0	04151455221531212445 4	0	1	1	14351243131432141545 1
1	1	2	14234525323523420000 0	2	1	6	14335145245504343515 4
3	1	6	14253452233551441354 3	4	1	7	14532455311343431250 0
5	1	7	14151305201540000000 0	6	110		24514534413432414545 3
7	111		24151335241543213224 3	8	111		24235551522234545245 5
9	112		24151415225553512542 2	10	113		34554515314543215414 3
11	114		34151005224502212000 0	12	114		34114455243312221523 5
13	115		34151355222511212255 2	14	115		34151435240531212450 2
15	116		34151353425542500000 0	16	116		34353455231540000000 0
17	116		34151045221531512455 4	18	119		44115255245531211513 1
19	119		44131345225541212035 1	20	119		44131455223555512322 5
21	119		44252315245512513445 5	22	120		44154253215513112524 1
23	120		44151455424531512542 4	24	120		44551115231531123555 4
25	121		44251205221111212415 4	26	121		44151415214515513545 2
27	121		40002200100001430000 0	28	121		44155015231513112435 2
29	123		54251455225512212413 4	30	123		54154455224541512335 2
31	124		51151435415551212453 2	32	124		54111253222551212344 4
33	124		54151455235531254312 5	34	125		54151455212543512525 4
35	125		51254351223543224542 5	36	125		54515145231532212535 2
37	126		54251455215543512352 1	38	126		54151415221542212125 3
39	126		54151455220552213445 1	40	126		54153205230544412550 0
41	127		54351355225531212535 4	42	127		54151455224521212425 5
43	127		54551245221521212445 4	44	127		54121245254511212255 2
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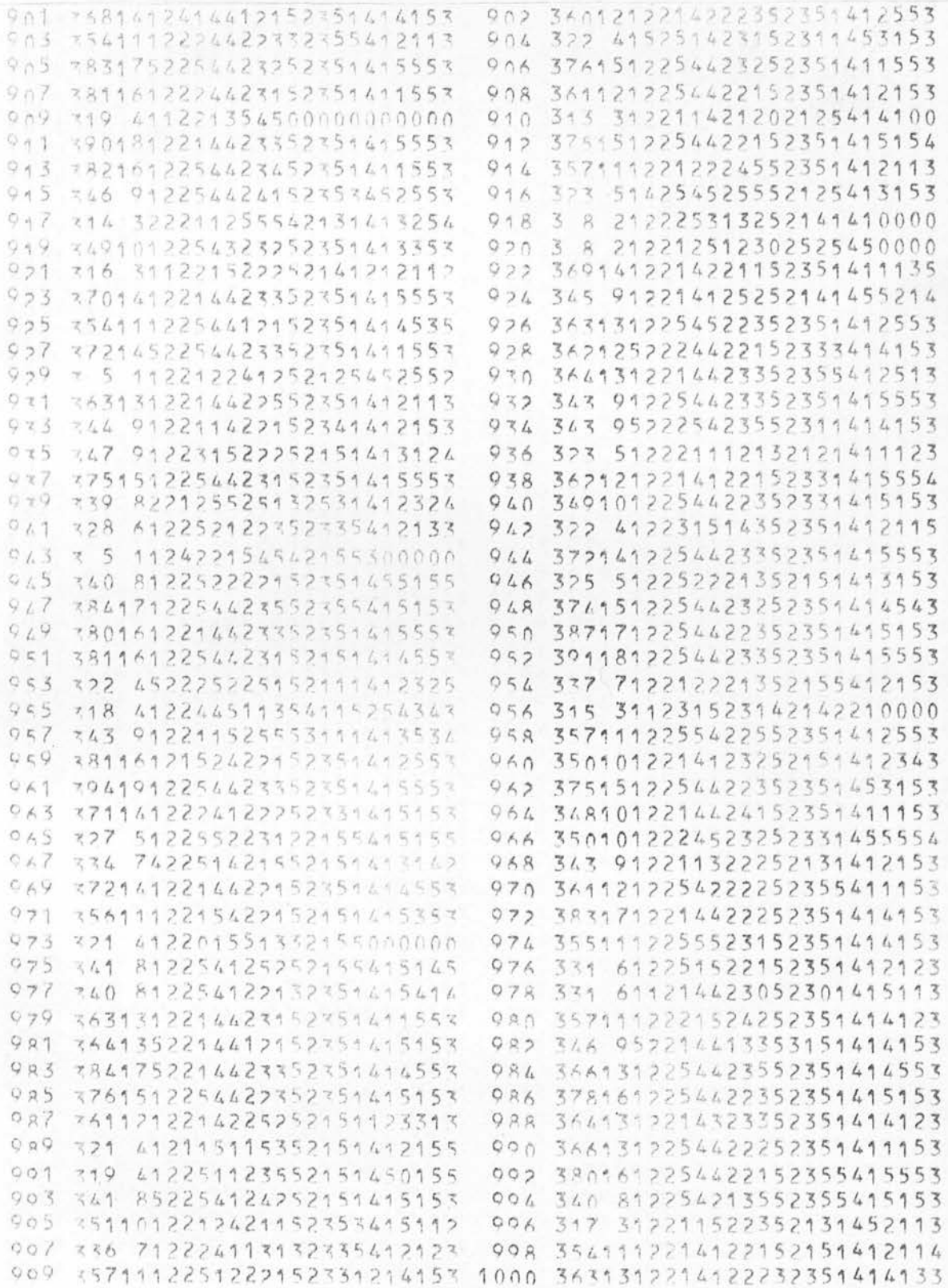

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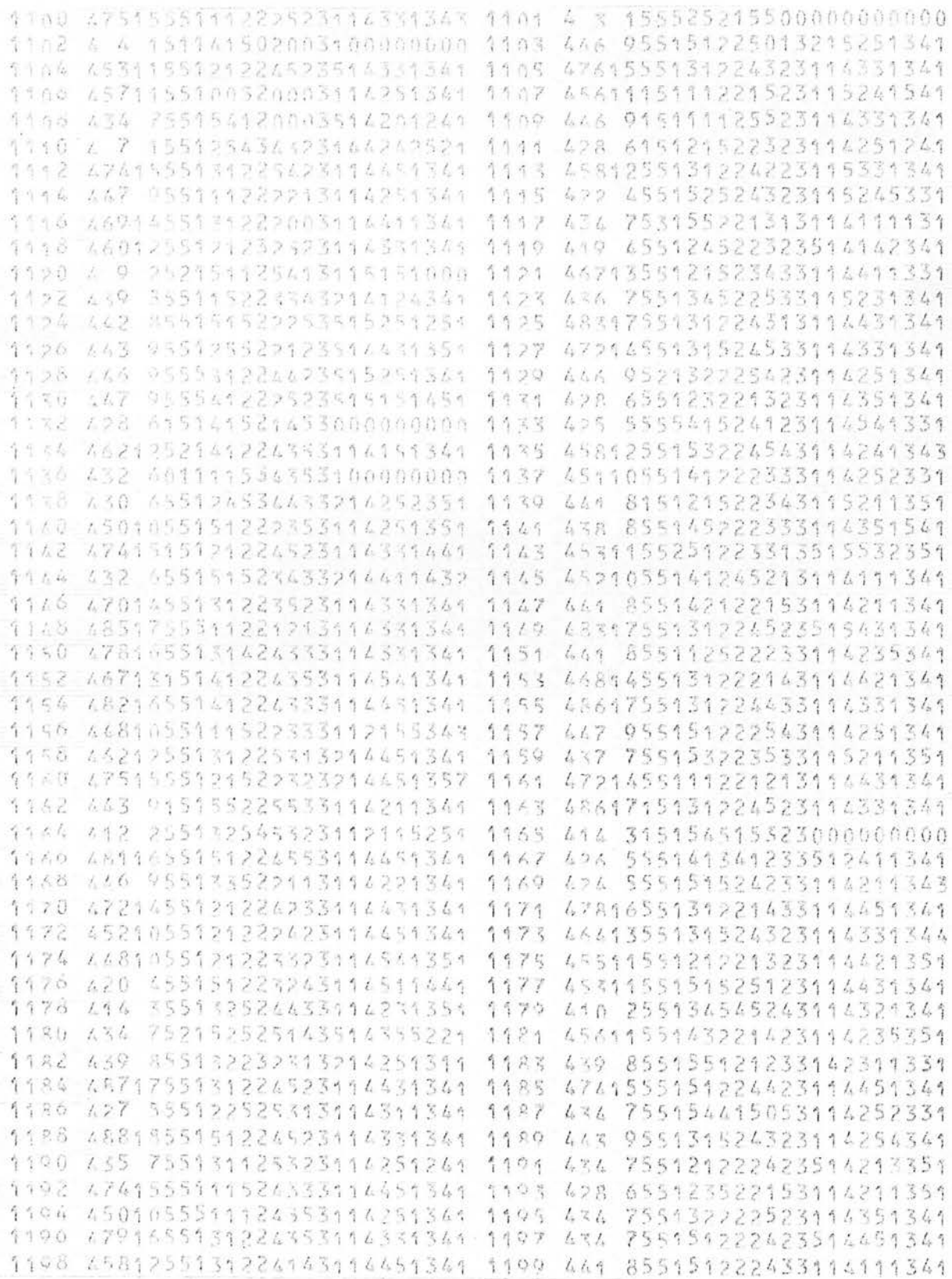

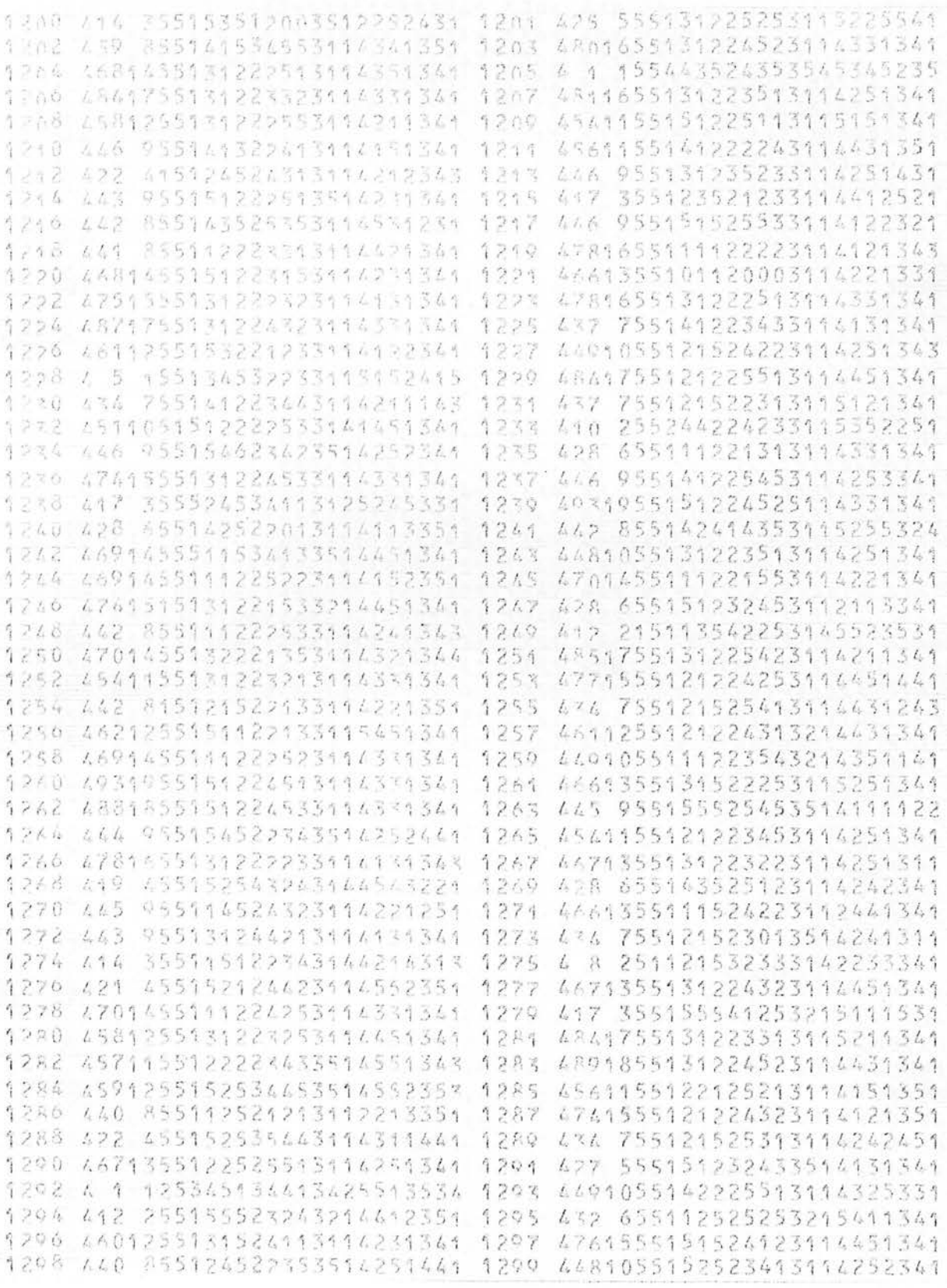

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4436128617354523315211541153??  4437128617344524213215512153??
4438128717354523415211542153??  4439128717354523413231242153??
4440128818354423413211512153??  4441128818354323413211512153??
4442128818354523413211551153?2  4443128818354353413215512253?2
4444128818354523413251512153??  4445128918324521413215341153??
4446128918354523413251542153??  4447128918354523413211542153??
4448129018354523413211542153??  4449129018354523415211512153??
4450129018334555311215512153??  4451129018354523413211142353??
4452129018354523411211542153??  4453129018354451413211512143??
4454129118354423413211542153??  4455129118354423413211542154?2
4456129118354423413215423353??  4457129118354523415211541253??
4458129118354452213211542153??  4459129218354523413211542143??
4460129218533551413411342153??  4461129218334423413212342153??
4462129319354523413211542253??  4463129319354523413211542153?2
4464129319324523415211542153??  4465129419354523413211542153??
4466129519354523413211542153??  4467129619354323413211532153??
4468129719354523413252542153??  4469129819354523413211542153??
4470129819354523413211542153??  447112 0 1142114144134355211549999 0 0 0123456789123456789000 ****
```

ANNEX III

PROGRAM 1 (ICL FORTRAN)

analyses recruit records to give the frequency of item success by attainment band.

(First referred to on p. 123.)

```
      MASTER FDVERBALPROBMOD
      DIMENSION MEDBAND(20),M20(20),MKEY(20),MRIGHT(20,20),MWRONG(20,20)
     +,AITEMCPRIB(19,20)
C BAND HAS 19 VALUES AND APPEARS FIRST IN THE 2-D ARRAYS. THE 20TH VALUE
C HOLDS A COUNT OR IS FOR CONVENIENCE. M20,MKEY AND THE 2ND DIMENSION
C REFER TO THE 20 ITEMS IN THE VERBAL PRETESTS
      NBRANCH = 1
   49 DO 50 IC1=1,20
      MEDBAND(IC1)     = 0
      MKEY(IC1)        = 0
      DO 51 IC2=1,20
      MRIGHT(IC2,IC1) = 0
      MWRONG(IC2,IC1) = 0
   51 CONTINUE
   50 CONTINUE
      NSWITCH = 1
      NOWPT   = 0
      NPT     = 0
      GO TO (0,200),NBRANCH
   10 FORMAT (I4,I2,2X,I2,20I1)
   11 FORMAT (I4,I2,4X,20I1 )
   12 FORMAT (1H ,33HMISSING INITIATION - VALUE FOUND ,I4)
   13 FORMAT (1H1,23HDATA ENTRY FOR PRETEST ,I2,13H-MARKING KEY ,20I1)
   14 FORMAT (1H ,28HPRETEST MISMATCH FOR RECORD ,I4,8H - TEST ,I2,11HIN
     +STEAD OF ,I2)
   15 FORMAT (1H ,25HIMPOSSIBLE ITEM RESPONSE ,I2,12H FOR RECORD ,I4,6H
     +ITEM ,I2)
   16 FORMAT (1H ,20HDATA CONCLUSION WAS ,I4,13H FOR PRETEST ,I2,16H, SA
     +MPLE SIZE = ,I4)
   17 FORMAT (1H0,29HBAND FREQ %FREQY CUMF CUMUL% )
   18 FORMAT (1H ,I3,I6,F7.2,I5,F7.2)
   19 FORMAT (1H1,44HSCORE DISTRIBUTIONS BY RIGHT/WRONG FOR ITEM ,I2,9H
     +OF TEST ,I2)
   20 FORMAT (1H ,F6.2,F7.2,I4,2H )
```

```
   21 FORMAT (1H ,2HN=,I4,3H N=,I4,F5.1,7H% OMITS)
   22 FORMAT(1H0,120H% CUM   % CUM         0         10         20         30
     +         40         50         60         70         80         90
     +100/1H ,120HWRONG   RIGHT   BAND +----+----+----+----+----+----+----+----
     ++----+----+----+----+----+----+----+----+----+----+----+----+----+----+
     +)
   23 FORMAT(1H ,19H                    1)
   24 FORMAT(1H0,24HNO SAMPLE FOR THIS PRETEST/1H0)
      NBRANCH = 2
C INITIATION SEQUENCE FOLLOWS
      WRITE(5,28)
   28 FORMAT(1H1,59HVERBAL CONDITIONAL ITEM RIGHT PROBABILITIES BY ABILY
     +TY BAND/1H0,48H(DATA FORMAT: PRETEST/ITEM/PROBS FOR BANDS 1-19))
   90 READ(4,11)INITIATE,NOWPT,MKEY
      IF (INITIATE - 8888) 0,91,0
      WRITE(2,12)INITIATE
      GO TO 90
   91 WRITE(2,13)NOWPT,MKEY
C NON-INIAL PRETEST START FOLLOWS
  100 READ(4,10)ID,IPT,IBAND,M20
      IF (ID-8888) 101,0,9999
C NORMAL, PRETEST END/START, DATA FINISH, OUTPUT FOLLOWS OF COMPLETED
C PRETEST
  199 WRITE(2,16)ID,NOWPT,NPT
      IF(NPT-0)0,0,201
      WRITE(2,24)
      GO TO (49,9001),NSWITCH
  201 WRITE(2,17)
      IW2 = 0
      WRITE(3,25)NOWPT,IW2,(MEDBAND(I),I=1,19),NPT
   25 FORMAT(2I4,19I3,I5)
      PRECIP = 100.0/NPT
```

```
      DO 1003 IC=1,19
      IW1 = MEDBAND(IC)
      IW2 = IW2+IW1
      PER = IW1*PRECIP
      PERCUM = IW2*PRECIP
      WRITE(2,18)IC,IW1,PER,IW2,PERCUM
 1003 CONTINUE
C ABOVE IS OUTPUT OF OVERALL BAND DISTRIBUTION. DISTRIBUTIONS BY ITEM
C FOLLOW
      DO 1004 ITEM=1,20
      WRITE(3,26)NOWPT,ITEM,(MRIGHT(I,ITEM),I=1,19),MRIGHT(20,ITEM)
   26 FORMAT(2I4,19I3,I5)
      IWRONG = 0
      IRIGHT = 0
      NWRONG = MWRONG(20,ITEM)
      NRIGHT = MRIGHT(20,ITEM)
      IF(NWRONG-0)0,0,202
      PRECWR = 0.0
      GO TO 203
  202 PRECWR = 100.0/NWRONG
  203 CONTINUE
      IF(NRIGHT-0)0,0,204
      PRECRI = 0.0
      GO TO 205
  204 PRECRI = 100.0/NRIGHT
  205 CONTINUE
      NOMIT  = NPT-NRIGHT-NWRONG
      POMIT  = 100.0*NOMIT/NPT
      WRITE(2,19)ITEM,NOWPT
      WRITE(2,22)
      DO 1005 IC=1,19
      IRIGHT = MRIGHT(IC,ITEM)+IRIGHT
C THIS ACCUMULATES THE BAND FREQUENCIES UPWARDS FOR RIGHT ANSWEREES
```

```
      IGNORW = NWRONG-IWRONG
C THIS GIVES THE DOWNWARD ACCUMULATION OF WRONG ANSWEREES WHILE MOVING
C UPWARDS, AND IS BASED ON A 1-BAND LAG IN NWRONG WHICH IS ONLY UPDATED
C FOR THE CURRENT BAND BELOW
      PRIGHT = IRIGHT*PRECRI
      PWRONG = IGNORW*PRECWR
      WRITE(2,20)PWRONG,PRIGHT,IC
C RUDIMENTARY GRAPH PLOT WOULD BE INSERTED WITH WRITE(2,20) ABOVE
      IWRONG = IWRONG+MWRONG(IC,ITEM)
      IW1=MFBAND(IC)
      IF(IW1-1)0,206,206
      WRITE(2,29)IC
   29 FORMAT(1H ,27HMFBAND(IC) IS ZERO FOR BAND,I3)
      AITEMCPRIB(IC,ITEM)=0.001
      GO TO 1005
  206 IW2=MRIGHT(IC,ITEM)
      IF(IW1-IW2)0,0,207
      AITEMCPRIB(IC,ITEM)=0.9999
      GO TO 1005
  207 AITEMCPRIB(IC,ITEM)=FLOAT(IW2)/FLOAT(IW1)
 1005 CONTINUE
      WRITE(2,23)
      WRITE(2,21)NWRONG,NRIGHT,POMIT
C ITEM TAIL CHARACTERISTICS WOULD BE INSERTED HERE
 1004 CONTINUE
      WRITE(5,27)(NOWPT,K,(AITEMCPRIB(I,K),I=1,19),K=1,20)
   27 FORMAT(1H1,2I4,19F5.4,(/1H ,2I4,19F5.4))
      GO TO (49,9001),NSWITCH
  200 NOWPT = IPT
      DO 1001 IC=1,20
 1001 MKEY(IC)=M20(IC)
      WRITE(2,13)NOWPT,MKEY
      GO TO 100
  101 IF(IPT-NOWPT) 0,102,0
      WRITE(2,14)ID,IPT,NOWPT
      GO TO 100
```

```
C ABOVE IS ERROR OUTPUT FOR OUT OF PLACE RECORD (WRONG PRETEST).
C BELOW IS THE NORMAL CONTINUATION
  102 MEDBAND(IBAND) = MEDBAND(IBAND)+1
      NPT = NPT+1
      DO 1002 ITEM=1,20
      IW = M20(ITEM)
      IF(IW-0)0,1002,103
      WRITE(2,15)IW,ID,ITEM
  103 IF(IW-MKEY(ITEM))104,0,104
      MRIGHT(20,ITEM) = MRIGHT(20,ITEM)+1
      MRIGHT(IBAND,ITEM) = MRIGHT(IBAND,ITEM)+1
      GO TO 1002
  104 MWRONG(20,ITEM) = MWRONG(20,ITEM)+1
      MWRONG(IBAND,ITEM) = MWRONG(IBAND,ITEM)+1
 1002 CONTINUE
      GO TO 100
 9999 NSWITCH = 2
      GO TO 199
 9001 STOP
      END
      FINISH
```

ANNEX IV

Frequencies of item success by attainment band.

Explanation

This Annex is first referred to on p. 123. Each line in the tabulation refers to a test item. The first column holds the test number and the second column of figures the item number within the test. The item sequence is from 1/1 to 12/20. At the head of each test is a line apparently for item 0. In the 19 columns following the 0, this line gives the number of recruits taking that test at attainment bands 1 to 19. The final column in this header line gives the total number ofrecruits who took the test. For the individual items each line shows the number of recruits getting the item right at each attainment band and overall.

| | | |

2	11	3	2	8	12	11	11	16	23	25	23	26	28	25	28	32	17	23	8	4	325
2	12	1	1	6	9	7	10	16	25	24	22	25	27	27	28	33	16	23	8	4	310
2	13	2	0	5	7	9	9	17	22	21	24	23	28	26	26	33	17	23	8	4	304
2	14	1	2	7	8	11	9	16	17	21	21	25	24	25	28	32	17	22	8	4	298
2	15	1	3	4	5	6	6	8	9	15	13	10	18	13	23	22	10	15	8	2	191
2	16	4	5	1	6	5	8	9	19	13	14	18	20	18	10	25	12	21	7	4	219
2	17	0	1	2	2	1	2	3	4	4	1	4	2	6	5	6	6	2	3	2	56
2	18	1	2	1	3	3	1	2	3	5	6	5	6	8	7	15	9	16	6	2	101
2	19	2	0	3	1	2	0	2	5	3	4	6	4	5	11	13	6	12	6	2	85
2	20	5	2	1	2	3	2	7	7	4	12	14	13	18	21	25	14	20	8	4	180
3	0	7	8	11	20	17	14	18	18	29	19	28	23	25	25	25	21	20	9	5	342
3	1	6	6	8	13	14	10	15	15	23	17	24	21	19	21	22	19	17	9	5	282
3	2	4	5	5	13	12	12	17	18	25	18	27	23	25	25	25	21	20	8	5	309
3	3	4	7	10	19	16	14	18	17	29	19	28	23	25	24	25	19	20	9	5	351
3	4	0	2	2	5	11	5	4	10	13	6	13	6	12	10	14	14	13	6	5	151
3	5	1	0	2	7	6	2	10	11	15	15	21	21	23	24	24	20	20	9	5	236
3	6	0	0	1	1	0	4	5	7	9	7	15	12	18	18	20	21	20	9	5	170
3	7	1	2	9	10	11	12	14	14	26	18	27	21	24	24	24	21	20	9	5	292
3	8	2	1	2	3	5	3	4	5	7	6	8	3	12	9	10	12	15	9	5	119
3	9	0	1	4	8	4	5	5	0	9	2	4	3	5	7	10	6	12	8	5	98
3	10	1	3	5	14	11	11	13	13	27	18	24	21	23	24	24	20	18	8	5	281
3	11	6	7	11	17	17	14	17	17	26	19	28	22	25	25	25	21	20	9	5	331
3	12	2	1	3	6	6	6	8	7	11	13	21	18	22	21	22	19	17	8	5	216
3	13	3	1	5	9	12	4	12	15	18	13	26	17	24	22	24	21	20	8	5	257
3	14	1	3	6	11	10	8	10	14	22	14	24	16	25	24	21	19	19	9	5	259
3	15	3	5	7	15	15	13	12	17	28	19	27	22	25	25	25	21	20	9	5	311
3	16	0	5	8	12	15	11	15	14	27	14	24	21	25	25	22	21	19	9	5	292
3	17	1	1	1	2	2	2	2	9	9	3	6	9	10	15	12	13	11	9	5	120
3	18	2	2	0	2	2	2	2	3	8	4	9	10	14	12	13	18	13	6	5	127
3	19	2	1	3	6	8	5	7	7	19	9	19	12	16	17	19	19	20	9	5	205
3	20	5	3	2	7	11	8	8	11	19	10	22	17	23	25	22	18	20	9	5	241

4	0	12	11	14	14	17	17	29	25	32	43	27	25	23	31	21	19	21	9	3	373
4	1	9	9	12	12	17	13	29	23	28	42	25	24	22	31	19	19	18	9	3	344
4	2	9	9	13	13	17	16	25	25	29	42	27	23	21	29	21	19	20	9	3	350
4	3	7	10	12	14	15	16	27	24	29	41	23	25	23	30	21	19	20	9	3	348
4	4	3	2	4	1	2	2	6	3	10	5	8	9	7	15	12	13	14	6	1	121
4	5	1	3	1	3	10	8	14	9	19	16	20	20	19	29	21	19	21	9	3	245
4	6	3	2	1	4	4	7	14	9	16	15	18	18	17	28	17	16	21	9	3	222
4	7	1	3	9	11	14	14	24	22	27	41	27	23	25	30	21	19	21	9	3	322
4	8	5	1	3	3	2	3	3	3	7	3	6	12	8	12	13	8	10	8	3	113
4	9	1	2	2	1	1	0	5	3	9	4	8	4	2	11	8	9	8	7	3	88
4	10	3	2	1	5	4	3	5	3	12	4	9	5	10	11	13	7	13	4	2	116
4	11	9	11	13	14	16	17	29	24	32	43	27	25	23	31	21	19	21	9	2	366
4	12	7	7	7	12	13	12	22	20	24	40	22	20	23	30	18	18	20	7	3	305
4	13	5	6	11	13	14	15	29	24	32	41	26	25	23	31	21	19	21	9	3	340
4	14	2	3	5	11	11	12	23	17	27	18	23	20	17	27	19	17	19	8	3	282
4	15	5	2	1	2	1	4	6	3	2	2	4	5	3	14	5	10	12	7	3	89
4	16	2	2	2	3	2	2	5	3	5	2	10	9	2	17	8	13	18	9	3	117
4	17	2	4	4	4	12	11	22	17	25	16	23	22	21	30	20	19	21	9	3	285
4	18	2	3	6	8	12	11	19	18	25	41	26	23	22	31	19	19	21	9	3	298
4	19	2	2	3	5	10	9	17	14	21	17	19	24	17	28	19	19	21	9	3	259
4	20	4	7	11	10	12	12	25	23	30	40	25	21	21	29	18	15	21	9	3	314
5	0	9	11	9	12	16	19	11	17	24	44	21	26	20	25	13	24	20	8	8	315
5	1	9	11	9	12	16	17	11	15	23	44	20	26	20	23	13	24	20	7	8	308
5	2	9	10	8	11	14	18	9	15	23	19	21	25	20	23	13	24	18	8	8	296
5	3	4	7	8	11	16	17	10	15	23	41	19	25	19	20	12	23	19	8	8	285
5	4	4	4	5	10	11	14	10	13	22	20	18	25	19	23	13	24	20	8	8	271
5	5	7	6	9	8	14	16	9	15	22	43	20	26	20	22	12	24	20	8	8	289
5	6	1	3	0	0	2	3	0	2	8	3	6	6	7	15	6	20	15	7	8	112
5	7	3	3	5	8	13	18	10	15	22	41	21	25	20	23	13	24	19	8	8	277
5	8	1	2	1	1	4	5	2	1	7	3	8	8	6	7	7	20	14	8	8	113
5	9	3	2	1	1	1	3	1	3	5	3	3	2	5	5	2	13	9	7	7	74
5	10	3	4	2	1	3	6	3	4	9	6	6	10	5	7	6	11	8	7	7	108

5	11	1	7	7	9	15	17	10	17	23	22	21	26	19	23	13	24	20	8	8	290
5	12	1	3	3	5	10	17	9	15	18	20	19	26	20	23	13	24	20	8	8	264
5	13	1	1	4	3	5	15	8	12	19	18	19	22	19	22	12	21	20	7	8	236
5	14	4	2	5	7	13	16	8	14	17	18	20	23	13	21	13	22	20	7	8	256
5	15	3	4	2	5	5	6	4	9	7	9	8	14	11	14	8	20	18	6	6	161
5	16	3	0	4	2	2	4	4	4	5	9	8	10	15	6	7	13	13	8	7	124
5	17	3	2	3	2	2	4	4	6	8	6	6	12	10	8	5	11	14	5	6	117
5	18	2	1	5	2	4	3	1	2	3	6	7	4	2	5	1	8	8	6	6	72
5	19	1	1	2	2	6	4	1	4	5	5	8	8	8	14	10	20	17	7	8	126
5	20	1	0	4	3	5	5	2	6	4	15	13	12	6	16	9	20	13	7	8	154
6	0	0	1	1	2	3	4	3	5	6	6	7	4	2	5	1	8	8	6	6	72
6	1	1	1	2	2	4	5	1	4	5	5	8	8	8	14	10	20	17	7	8	126
6	2	1	3	2	4	5	10	5	7	14	13	13	23	18	20	12	24	20	8	8	210
6	3	3	6	3	8	15	17	12	17	23	23	21	26	20	22	13	24	20	8	8	294
6	4	1	4	1	3	6	5	4	5	12	9	11	16	12	19	12	22	19	7	8	176
6	5	3	7	2	4	5	10	11	16	21	23	20	25	19	22	13	24	19	8	8	206
6	6	3	2	4	5	8	13	9	13	19	19	19	23	20	23	15	23	20	8	8	252
6	7	4	1	1	5	10	11	7	11	12	21	18	22	18	23	13	24	20	8	8	237
6	8	1	3	2	4	5	6	2	1	7	7	4	7	5	7	7	14	14	6	8	110
6	9	0	1	3	1	1	2	1	2	5	5	3	7	9	7	3	13	14	4	8	87
6	10	0	1	0	1	1	2	2	2	2	3	4	2	3	5	3	13	8	5	6	63
6	11	1	4	7	9	10	14	10	16	22	21	20	25	19	22	12	23	20	8	8	271
6	12	0	3	1	0	3	2	2	2	8	8	5	7	6	15	8	12	12	7	7	108
6	13	2	2	0	4	7	8	4	7	9	6	6	9	11	12	6	17	18	7	7	142
6	14	0	3	7	6	9	14	9	11	19	21	16	21	14	20	12	24	19	7	8	240
6	15	1	1	1	4	5	4	2	5	5	12	8	8	11	14	6	21	15	8	7	138
6	16	0	0	3	2	8	11	6	8	15	15	12	18	14	18	11	19	17	7	7	194
6	17	2	2	3	3	6	9	4	10	13	18	16	20	16	23	13	23	19	8	8	215
6	18	2	2	4	4	8	8	7	11	15	21	15	17	15	18	11	18	15	6	8	196
6	19	2	2	3	5	8	8	7	7	15	15	16	15	14	18	13	20	19	7	8	204
6	20	3	4	6	8	10	13	9	15	17	22	20	25	20	23	13	23	20	8	8	269

| | | |

8	11	5	4	6	4	11	14	13	22	15	14	22	28	30	33	27	15	15	11	4	293
8	12	3	5	7	6	10	16	14	22	18	15	21	29	32	32	25	16	15	11	4	301
8	13	2	1	5	5	12	15	14	18	21	15	22	29	32	33	26	16	15	12	4	297
8	14	2	5	7	8	13	17	15	21	21	14	22	30	32	33	26	15	15	12	4	312
8	15	1	2	4	1	3	2	2	4	5	4	3	9	9	14	16	10	13	10	4	116
8	16	1	1	3	5	7	9	6	14	14	11	15	25	27	29	21	14	14	11	4	231
8	17	1	1	4	3	9	6	9	14	14	12	19	27	29	32	25	16	16	11	4	252
8	18	3	2	6	1	7	11	10	16	16	9	17	21	24	27	25	13	15	11	3	237
8	19	1	1	3	2	3	5	4	11	8	4	15	22	26	32	25	14	14	11	4	205
8	20	2	0	2	1	5	3	4	8	7	4	12	20	14	28	22	14	12	10	4	172
9	0	7	7	12	11	23	18	14	22	21	25	23	32	31	23	23	17	16	11	3	339
9	1	6	5	11	10	19	15	12	21	21	24	23	31	30	22	23	17	16	11	3	320
9	2	1	1	3	8	14	11	11	16	14	15	17	26	28	21	20	17	15	11	3	254
9	3	1	1	5	4	11	11	9	12	11	13	15	19	23	17	19	17	16	11	3	218
9	4	2	3	1	0	2	7	4	3	5	4	4	12	15	16	16	15	13	10	3	135
9	5	4	6	7	6	14	12	10	16	16	21	19	29	28	22	22	17	16	11	3	281
9	6	2	0	6	2	8	7	9	13	14	17	17	27	27	20	19	16	16	11	3	234
9	7	0	1	1	0	1	1	0	2	1	7	4	6	9	6	7	9	12	11	3	81
9	8	2	3	5	1	7	7	3	5	2	5	2	7	4	6	5	7	6	6	2	83
9	9	4	6	12	10	22	13	12	21	21	24	23	29	31	25	23	17	16	11	3	321
9	10	6	5	11	9	20	13	13	20	20	24	18	31	31	23	23	17	16	11	3	314
9	11	5	4	8	7	20	12	11	20	19	25	25	32	31	22	22	16	16	11	3	305
9	12	1	1	3	3	6	4	5	8	8	14	7	19	20	17	10	12	11	11	2	162
9	13	4	7	11	11	22	17	13	22	21	25	22	30	31	23	21	15	16	11	3	325
9	14	2	2	4	4	14	8	7	12	11	15	16	19	24	16	15	12	8	8	2	199
9	15	2	0	5	4	6	7	2	6	12	13	13	20	25	22	21	16	16	11	3	207
9	16	2	0	6	4	13	8	10	14	13	21	18	26	30	22	21	17	16	11	3	260
9	17	1	2	1	2	5	5	3	2	3	9	8	12	21	13	17	13	14	11	3	145
9	18	1	1	1	2	2	3	1	1	2	1	2	2	1	3	4	2	1	3	2	35
9	19	3	3	7	2	15	13	4	12	17	21	17	21	22	19	21	17	15	11	3	245
9	20	1	1	3	0	1	3	2	1	1	4	6	7	10	7	10	7	13	11	3	91

10	0	7	7	12	11	23	17	14	22	21	46	23	31	31	23	23	17	16	11	3	338
10	1	4	5	12	10	19	14	12	20	20	45	23	30	30	23	23	17	16	11	3	317
10	2	4	7	12	11	21	15	14	21	19	45	22	29	26	23	23	16	15	9	3	315
10	3	6	3	8	8	17	7	12	16	16	24	20	29	28	22	23	16	13	11	3	282
10	4	2	2	3	5	6	4	9	15	13	15	18	27	24	20	20	15	13	11	3	225
10	5	3	3	7	7	18	12	13	18	15	43	19	28	30	22	23	17	15	11	3	287
10	6	1	1	3	2	5	5	7	7	7	8	11	17	21	21	22	17	14	9	3	181
10	7	3	0	1	3	7	5	7	11	6	13	14	21	20	21	21	17	14	11	3	198
10	8	2	0	0	2	0	1	0	1	4	2	2	7	8	4	9	7	12	4	3	68
10	9	2	4	9	9	21	13	14	22	19	45	23	28	30	21	23	17	15	11	3	309
10	10	0	3	3	2	2	2	3	2	6	7	8	15	14	15	12	13	11	8	1	127
10	11	4	6	10	10	21	15	14	20	20	46	22	30	31	21	21	17	14	11	3	316
10	12	2	1	3	0	4	5	2	5	5	6	7	11	9	7	8	7	10	7	3	102
10	13	2	0	5	3	12	5	6	7	9	15	14	19	11	11	17	11	14	11	3	175
10	14	1	1	2	3	4	4	6	6	9	16	11	23	24	18	18	16	13	10	2	187
10	15	2	1	3	1	1	3	3	5	4	5	5	9	6	10	8	3	8	9	3	91
10	16	1	1	0	2	0	4	2	2	4	2	7	10	7	9	6	9	6	4	2	78
10	17	2	1	0	3	4	5	5	9	8	11	12	15	18	19	18	9	14	11	2	166
10	18	2	1	3	3	5	5	6	5	14	15	17	20	23	19	20	14	14	11	3	200
10	19	1	1	5	1	1	3	3	3	7	7	9	11	9	6	5	6	8	5	3	96
10	20	0	1	1	1	9	1	6	6	4	8	4	8	10	8	11	6	8	7	3	102
11	0	16	8	11	18	24	22	27	33	37	46	32	32	20	28	27	19	19	16	6	421
11	1	1	0	0	0	0	5	3	2	3	5	4	7	4	8	5	6	9	11	4	77
11	2	8	3	4	10	11	16	18	23	28	40	30	31	19	28	25	18	18	16	6	352
11	3	3	0	1	5	6	6	6	8	10	5	10	8	6	15	8	7	10	11	5	128
11	4	6	4	2	7	9	11	9	20	16	8	16	19	13	20	20	18	17	16	6	237
11	5	1	1	1	1	1	1	2	3	6	4	7	5	6	5	8	4	14	10	4	84
11	6	3	1	2	7	7	7	13	16	14	10	9	15	15	15	21	13	14	12	5	197
11	7	2	0	1	2	3	9	6	9	14	9	17	19	7	20	16	12	13	9	5	173
11	8	2	2	0	2	3	4	3	8	10	2	8	7	2	7	6	8	8	10	4	96
11	9	5	2	6	9	9	9	17	25	21	16	28	23	13	27	26	19	18	15	6	292
11	10	4	1	2	4	2	6	1	7	12	8	10	11	0	13	13	10	15	11	6	142

```
 11   3   0   1   2   5   8  11   9  19  11  16  14  16  24  23  19  19  16   6  222
 11  12   2   1   0   5   6   5  11  12  12  16  10  18  11  19  15  14  12  10   4  189
 11  13   2   0   5   3   8  10  11  20  21  15  25  26  16  27  25  18  19  15   6  272
 11  14   3   1   2   4   9   7  14  22  18  15  24  22  16  28  25  18  19  15   6  268
 11  15   5   1   3   3   2   2   5   6   4   1   4   5   2   7  10   4  12   6   5   83
 11  16   5   1   0   4   1  10   9  12  11   9  12  13   8  13  17  12  16  15   6  174
 11  17   1   2   0   5   3   4   7  10  15   5  11  12  11  10  16  12  17  11   6  158
 11  18   1   1   0   0   3   5   7   5   8   2  12  12   7  18  12  12  13  14   9  140
 11  19   3   1   5   5   1   6   5   4   9   3   4  10   3   8   5   6   3   4   3   86
 11  20   4   2   2   1   3   3   4   8   4   6   6   5   8   9   7   9  14  10   4  106
 12   0  14  21  22  28  39  30  28  52  49  51  39  44  37  56  47  47  27  22   9  662
 12   1   4  10  13  18  23  21  19  38  39  43  30  38  34  49  46  45  26  21   9  528
 12   2   0   0   1   2   1   2   1   4   7   3   6   8  11  21  12  33  20  18   8  158
 12   3   4   3   7  11  10   6   6  25  24  30  24  25  27  40  39  39  23  21   9  373
 12   4   2   5   2   8   7   3   4  11  13  12   7   9  12  17  17  27  17  13   8  194
 12   5   3   4   2   7   8   2   1  17  13  16  13  14  20  20  29  33  23  17   9  251
 12   6   1   2   2   7   8   5   7  11  15  19  12  11  19  24  21  28  16  17   9  234
 12   7   0   2   2   7   7   4   9  20  17  16  21  16  25  37  34  40  22  20   9  306
 12   8   3   5   3   5   4   3   1  10  10  10   6  16  17  27  35  41  24  22   9  250
 12   9   2   7   0   8  14   8  10  21  21  19  18  22  17  27  28  31  15  18   8  300
 12  10   3   3   4   8  11   7  12  25  21  24  14  28  25  40  31  40  24  21   9  350
 12  11   3   7   8   7  10   7   8  21  21  27  18  31  25  36  37  39  25  20   8  358
 12  12   3   3   1   2   3   1   3   7   5   6   6   6   7  13  13  26  19  17   8  147
 12  13   2   5   1   3   4   1   1   5   4   9   8  11   5  16  14  26  18  17   9  159
 12  14   1   4   2   4  10   5   6   8  13  15  15  19  15  32  28  34  20  13   8  254
 12  15   5   6   3   9  19  10  21  28  30  40  29  28  27  45  37  41  25  18   9  430
 12  16   3   9   8  13  22  10  15  28  32  34  24  31  28  41  31  37  23  18   8  415
 12  17   3   4   2   4   7   2   4   5  11  10  16  16  18  28  25  36  22  20   9  242
 12  18   4   4   2   5   9   3   2  15  19  18  17  20  17  45  38  44  25  21   9  315
 12  19   3   8  13  17  16  15  15  26  24  26  26  29  42  37  40  26  20   8  415
 12  20   5   4   5   5  13   8   9  26  25  34  27  34  27  50  41  47  27  22   9  418
 ***
```

ANNEX V

PROGRAM 2 (ICL FORTRAN)

evaluates the smoothed probabilities of item success conditional on attainment.

(First referred to on p. 125.)

```
      MASTER SMOOTHPROR
      DIMENSION NBAND(23),NBANDIRI(23),NBASE(19),SMOOTHP(20)
   10 FORMAT(2I4,19I3,I5)
   11 FORMAT(1H ,7HERROR 1)
   12 FORMAT(1H ,2I4/1H ,20F6.4)
   14 FORMAT(1H ,2(I5,3I4))
      NBAND(1),NBAND(2),NBAND(22),NBAND(23) = 0
      NBANDIRI(1),NBANDIRI(2),NBANDIRI(22),NBANDIRI(23) = 0
      DO 1000 IC1=1,12
      READ(1,10)NOWPT,ITEM,(NBAND(I),I=3,21),NPT
      IF (NOWPT-IC1) 770,0,770
      IF (ITEM) 770,0,770
      NBASE(1)=NBAND(3)+NBAND(4)+NBAND(5)
      DO 1002 IC2 = 2,19
      NBASE(IC2) = NBASE(IC2-1)+NBAND(IC2+4)+NBAND(IC2-1)
 1002 CONTINUE
      DO 1005 IC3 = 1,20
      READ(1,10)N1,N2,(NBANDIRI(I),I=3,21),N3
      IF(IC3-N2) 770,0,770
      LASTIN = 0
      MOVINGFREQR = NBANDIRI(3)+NBANDIRI(4)
      DO 1004 IC4 = 1,19
      MOVINGFREQR = MOVINGFREQR+NBANDIRI(IC4+4)-LASTIN
      SMOOTHP(IC4) = FLOAT(MOVINGFREQR)/FLOAT(NBASE(IC4))
C NO ZERODTRAP FOR THIS DIVISION OR FOR SMOOTHP(20) BELOW
      LASTIN = NBANDIRI(IC4)
 1004 CONTINUE
      SMOOTHP(20) = FLOAT(N3)/FLOAT(NPT)
      WRITE(2,12)IC1,IC3,SMOOTHP
 1005 CONTINUE
 1000 CONTINUE
      GO TO 330
  770 WRITE(2,11)
      WRITE(2,14)IC1,NOWPT,ITEM,NPT,IC3,N1,N2,N3
  330 CONTINUE
      STOP
      END
      FINISH
****
```

ANNEX VI

Smoothed probabilities of item success conditional on attainment band. (Graph plots of these values appear in Figure 23 and Annex VII.)

Explanation

This Annex is first referred to on p. 125. The tabulation gives the probability of item success for recruits at attainment bands 1 to 19 for the 240 items of the pool.

The format has two lines for each item record. The first two entries in the first of the two lines give the test number and the item number. The remaining 19 entries in the two lines are the probabilities. Each probability value is given with one figure before the decimal point and four after. Each page holds the information for the twenty items of one test.

```
 1  1 1.00000.96550.93330.91380.93060.93100.94620.96590.9900
0.99091.00000.98560.98640.98500.98370.98211.00001.00001.0000
 1  2 0.50000.55170.57780.70690.77780.77010.77420.82950.8500
0.84550.84480.88490.89120.89470.91060.95540.97440.96610.9762
 1  3 0.61110.62070.68890.75860.75000.75860.78490.79550.8300
0.88180.91380.89930.91160.91730.92680.91070.96150.94920.9524
 1  4 0.50000.51720.60000.70690.77780.82760.88170.92050.9400
0.94550.95690.95680.94560.95490.95930.96430.97441.00001.0000
 1  5 0.33330.31030.40000.50000.55560.64370.66670.70450.7600
0.80000.82760.87770.89800.91730.94310.95541.00001.00001.0000
 1  6 0.38890.37930.46670.53450.59720.65520.70970.75000.8100
0.80910.83620.87050.88440.89470.93500.95540.97440.96610.9762
 1  7 0.72220.72410.77780.86210.91670.90800.94620.96590.9600
0.96360.99140.99280.98640.99250.99190.99110.98721.00001.0000
 1  8 0.61110.68970.77780.79310.86110.89660.91400.89770.9500
0.93640.93970.93530.95240.95490.95930.95540.97440.96610.9524
 1  9 0.38890.37930.44440.56900.61110.66670.74190.79550.8600
0.89090.93970.93530.93200.91730.93500.91960.93590.94920.9762
 1 10 0.33330.31030.26670.24140.27780.27590.29030.31820.3500
0.32730.37070.39570.43540.45110.53660.62500.74360.76270.8810
 1 11 0.72220.75860.84440.87930.93060.95400.97850.96590.9900
0.96360.95690.95680.96600.96240.98370.99111.00001.00001.0000
 1 12 0.27780.27590.24440.29310.31940.33330.36560.40910.4400
0.45450.50860.55400.57820.64660.73170.80360.89740.96610.9762
 1 13 0.22220.34480.40000.50000.55560.59770.66670.70450.7100
0.76360.81900.84170.86390.92480.95120.97320.98721.00001.0000
 1 14 0.33330.31030.46670.50000.52780.52870.55910.48860.4700
0.49090.51720.53240.54420.59400.59350.60710.61540.66100.6667
 1 15 0.44440.58620.68890.81030.83330.85060.88170.89770.9300
0.94550.98280.97120.97280.97740.98370.98211.00001.00001.0000
 1 16 0.27780.37930.53330.70690.79170.86210.91400.94320.9600
0.97270.98280.97840.97960.98500.98370.98211.00001.00001.0000
 1 17 0.16670.20690.24440.25860.30560.29890.29030.30680.3600
0.36360.40520.48200.50340.54890.61790.70540.78210.83050.8810
 1 18 0.22220.20690.22220.22410.19440.19540.19350.20450.3400
0.37270.43970.53240.59860.63160.73980.85710.97440.98311.0000
 1 19 0.33330.37930.44440.43100.43060.51720.58060.60230.7200
0.76360.80170.80580.81630.83460.88620.91070.96151.00001.0000
 1 20 0.11110.17240.22220.17240.20830.25290.30110.30680.3400
0.38180.39660.36690.38780.42110.41460.49110.60260.62710.7143
```

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 2  1 0.55170.61900.70910.79310.81160.85710.90630.90740.9274
0.94700.96970.94810.94410.93980.94530.95410.97651.00001.0000
 2  2 0.82760.88100.90910.91380.95650.96430.94790.95370.9677
0.97730.97730.98520.97900.97740.97660.97250.97650.98080.9714
 2  3 0.55170.61900.69090.75860.84060.86900.88540.87960.8871
0.91670.90910.92590.94410.96240.96090.98170.98821.00001.0000
 2  4 0.41380.40480.47270.48280.55070.58330.68750.74070.7903
0.86360.90910.92590.93010.95490.95310.96330.96470.98080.9714
 2  5 0.34480.42860.50910.51720.59420.66670.72920.76850.8306
0.89390.93180.95560.96500.98500.98440.99080.98821.00001.0000
 2  6 0.17240.21430.20000.18970.21740.20240.18750.23150.2742
0.29550.34090.41480.47550.55640.65630.73390.78820.88460.8571
 2  7 0.48280.50000.56360.55170.60870.69050.75000.77780.8306
0.87120.90150.92590.95100.96240.97660.99081.00001.00001.0000
 2  8 0.37930.47620.56360.60340.75360.80950.86460.87040.8952
0.91670.96210.97040.99301.00000.98440.98170.97650.96150.9429
 2  9 0.37930.40480.36360.41380.42030.39290.41670.47220.4758
0.54550.65910.71850.78320.85710.89840.91740.95291.00001.0000
 2 10 0.06900.07140.05450.06900.05800.04760.04170.04630.0484
0.07580.07580.08890.11890.14290.16410.21100.27060.32690.3714
 2 11 0.44830.59520.65450.75860.84060.86900.89580.90740.9113
0.94700.96210.96300.97200.97740.97660.99080.98821.00001.0000
 2 12 0.27590.40480.43640.56900.69570.79760.85420.89810.8871
0.91670.93180.94070.96500.98500.99220.99080.98820.98081.0000
 2 13 0.24140.33330.41820.51720.68120.76190.81250.86110.8629
0.89390.92420.94070.95100.97740.97660.98171.00001.00001.0000
 2 14 0.34480.42860.52730.63790.73910.72620.77080.77780.8065
0.81820.87880.91110.93710.94740.96880.98170.97650.98080.9714
 2 15 0.27590.30950.34550.41380.42030.40480.45830.47220.4435
0.49240.52270.57040.60140.64660.64840.71560.67060.67310.7143
 2 16 0.34480.38100.38180.43100.42030.55950.56250.58330.5887
0.63640.62880.59260.63640.63910.67190.68810.81180.84620.9143
 2 17 0.10340.11900.10910.13790.14490.14290.14580.12960.1290
0.11360.12880.13330.16080.18800.19530.20180.22350.25000.2000
 2 18 0.13790.16670.18180.17240.14490.14290.14580.15740.1694
0.18940.22730.23700.28670.33830.42970.48620.56470.63460.6857
 2 19 0.17240.14290.14550.10340.11590.11900.12500.12960.1613
0.16670.15150.20740.25870.27820.35160.44040.45880.50000.5714
 2 20 0.20690.19050.20000.17240.21740.25000.23960.29630.3548
0.37880.46210.57780.63640.68420.76560.80730.83530.88460.9143
```

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 3  1 0.76920.71740.74600.72860.75000.74710.78130.79590.8214
0.83760.83870.85000.84920.85710.84480.88000.90000.90910.9118
 3  2 0.53850.58700.61900.67140.73750.82760.88540.92860.9464
0.95730.95970.98330.99211.00001.00000.99000.98750.98180.9706
 3  3 0.80770.86960.88890.94290.96250.96550.97920.98980.9911
0.99151.00000.99170.99210.97480.97410.97000.97500.96361.0000
 3  4 0.15380.19570.31750.35710.33750.40230.44790.38780.4107
0.41030.40320.39170.43650.47060.54310.57000.65000.69090.7059
 3  5 0.11540.21740.25400.24290.33750.41380.45830.54080.6429
0.70940.76610.86670.89680.94120.95690.97000.97500.98181.0000
 3  6 0.03850.04350.03170.08570.11250.17240.23960.30610.3661
0.42740.49190.58330.65870.74790.83620.88000.93751.00001.0000
 3  7 0.46150.47830.52380.62860.70000.70110.80210.85710.8839
0.90600.93550.95000.95240.95800.97410.98000.98751.00001.0000
 3  8 0.19230.17390.17460.17140.18750.20690.22920.25510.2679
0.24790.29030.31670.33330.38660.50000.55000.63750.74550.8529
 3  9 0.19230.28260.26980.31430.32500.25290.23960.21430.1786
0.15380.18550.17500.23020.26050.34480.43000.51250.56360.7353
 3 10 0.26920.45650.50790.60000.65000.71260.78130.83670.8482
0.88030.91130.91670.92060.94120.93970.94000.93750.92730.9118
 3 11 0.92310.89130.92060.94290.95000.94250.94790.94900.9554
0.95730.96770.99170.99210.99161.00001.00001.00001.00001.0000
 3 12 0.23080.26090.28570.31430.36250.37930.39580.45920.5357
0.59830.68550.79170.82540.85710.87070.87000.88750.89090.8824
 3 13 0.26920.34780.44440.41430.50000.59770.63540.63270.7500
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ANNEX VII

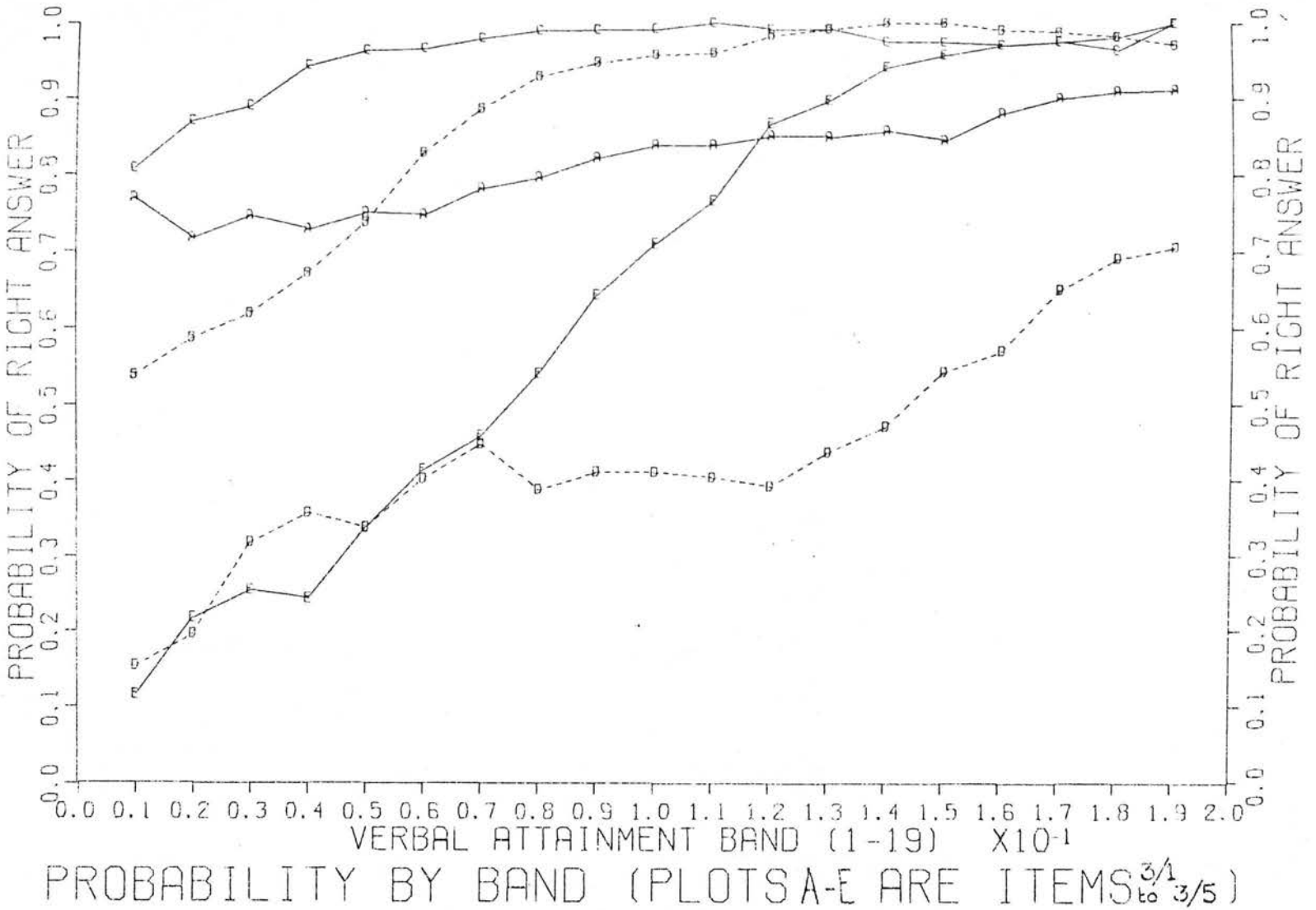
(continued from Figure 23)

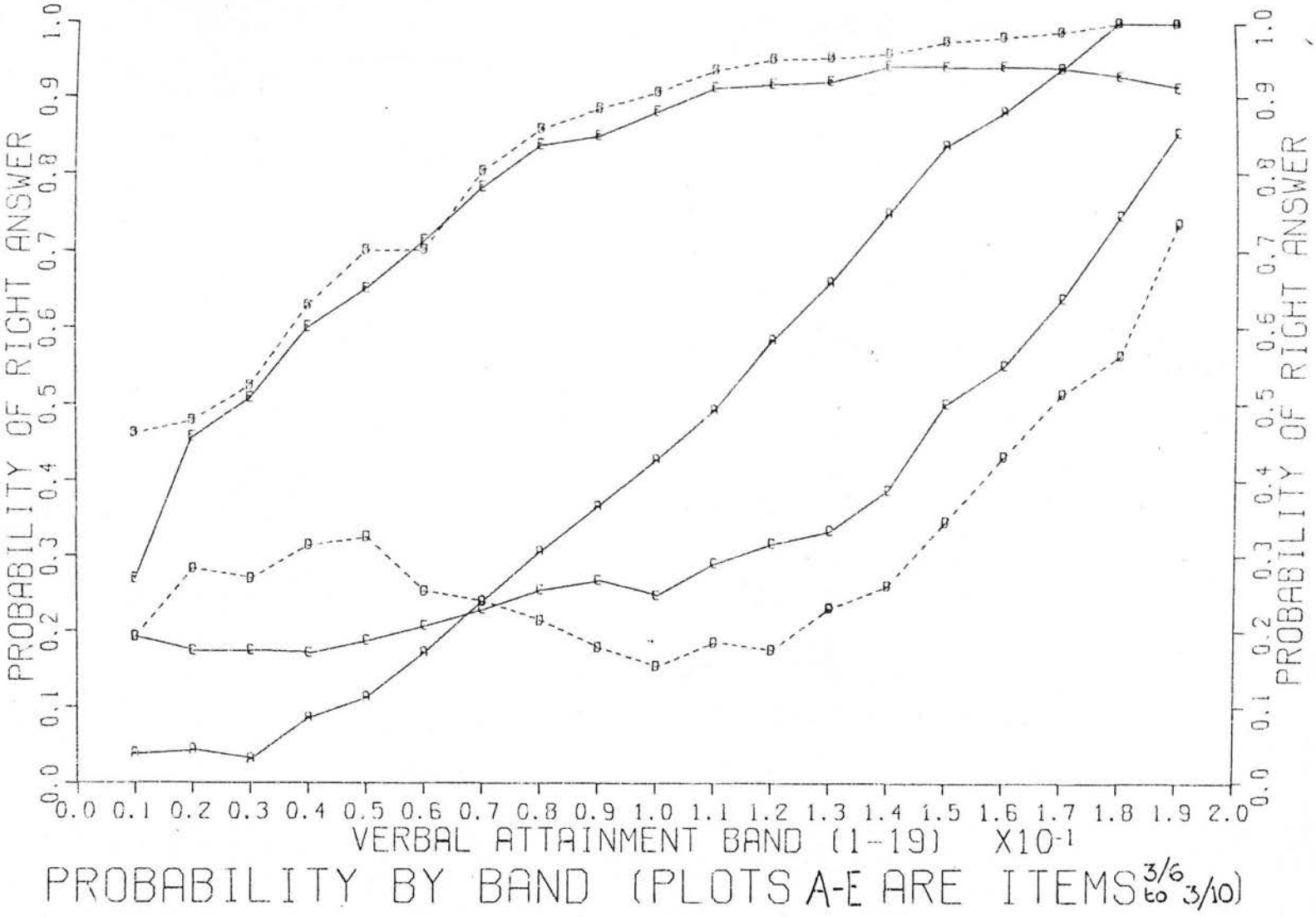
Graph plots of smoothed conditional probabilities of item success on attainment band for items 3/1 to 12/20.

Explanation

These plots are first referred to on p.125. One such plot is used previously as an example at Figure 15.

Each graph shows the conditional probabilities for the five items identified at its foot.


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 3/1 to 3/5)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 3/6 to 3/10)

PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 3/11 to 3/15)
PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
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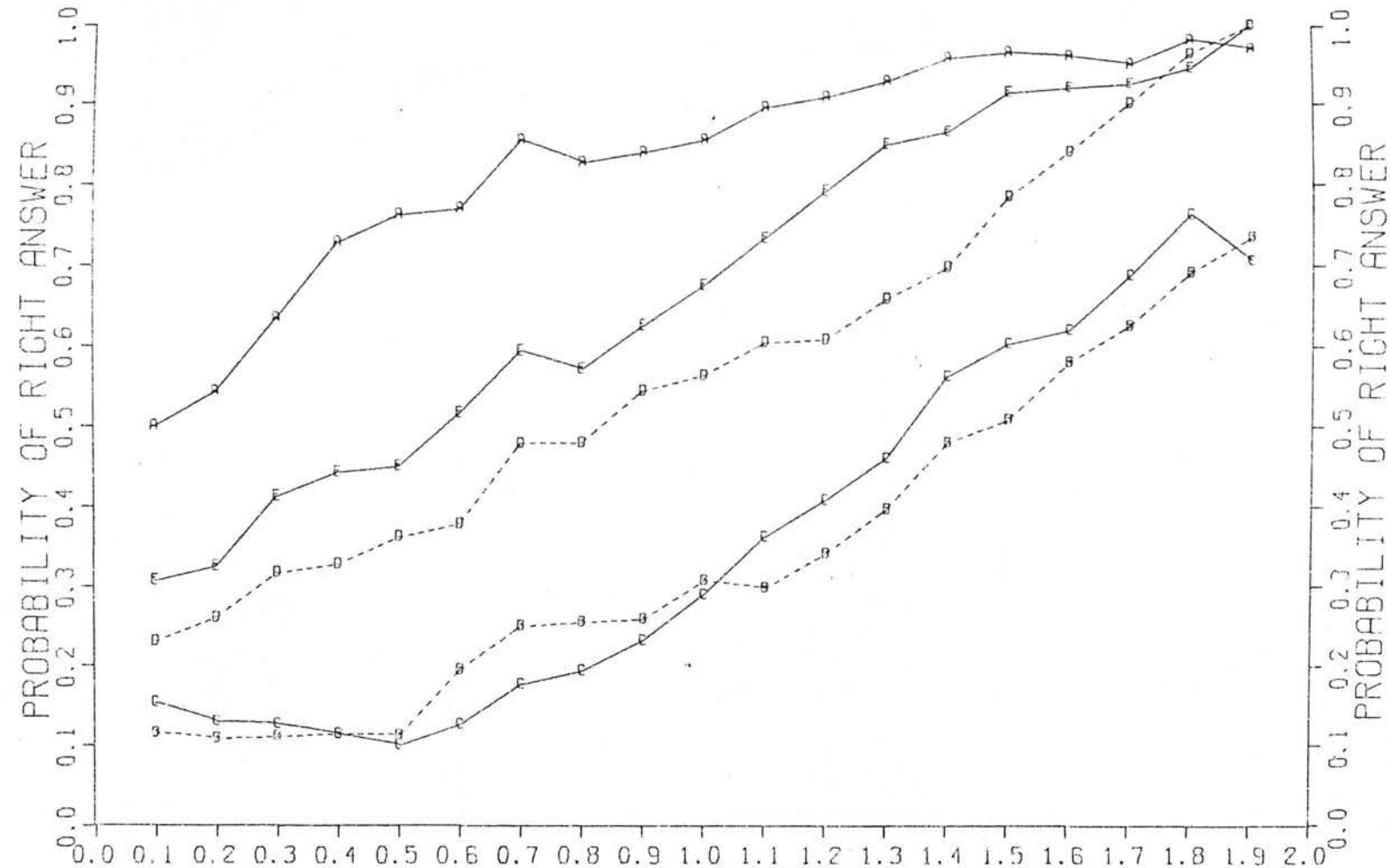
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0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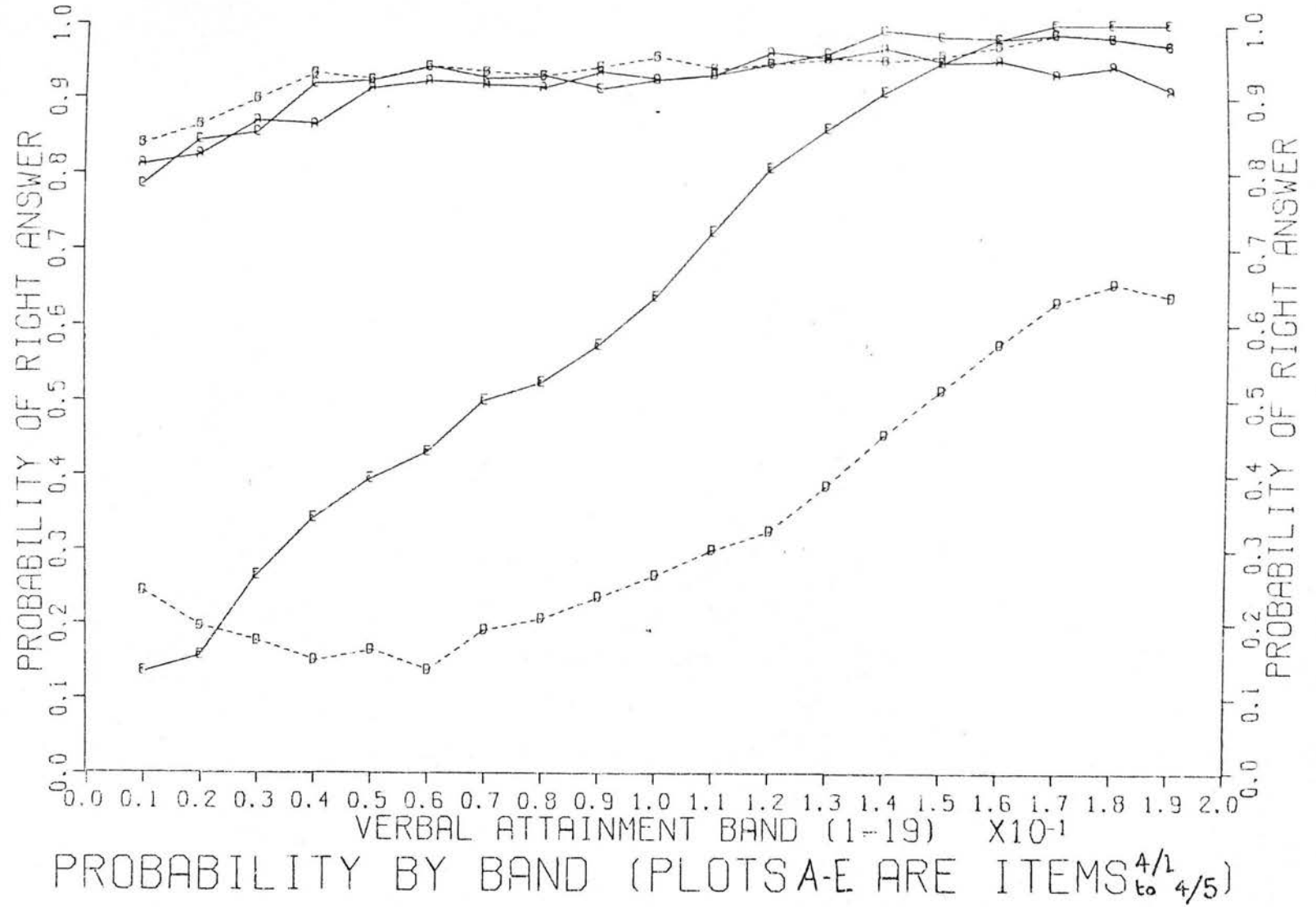
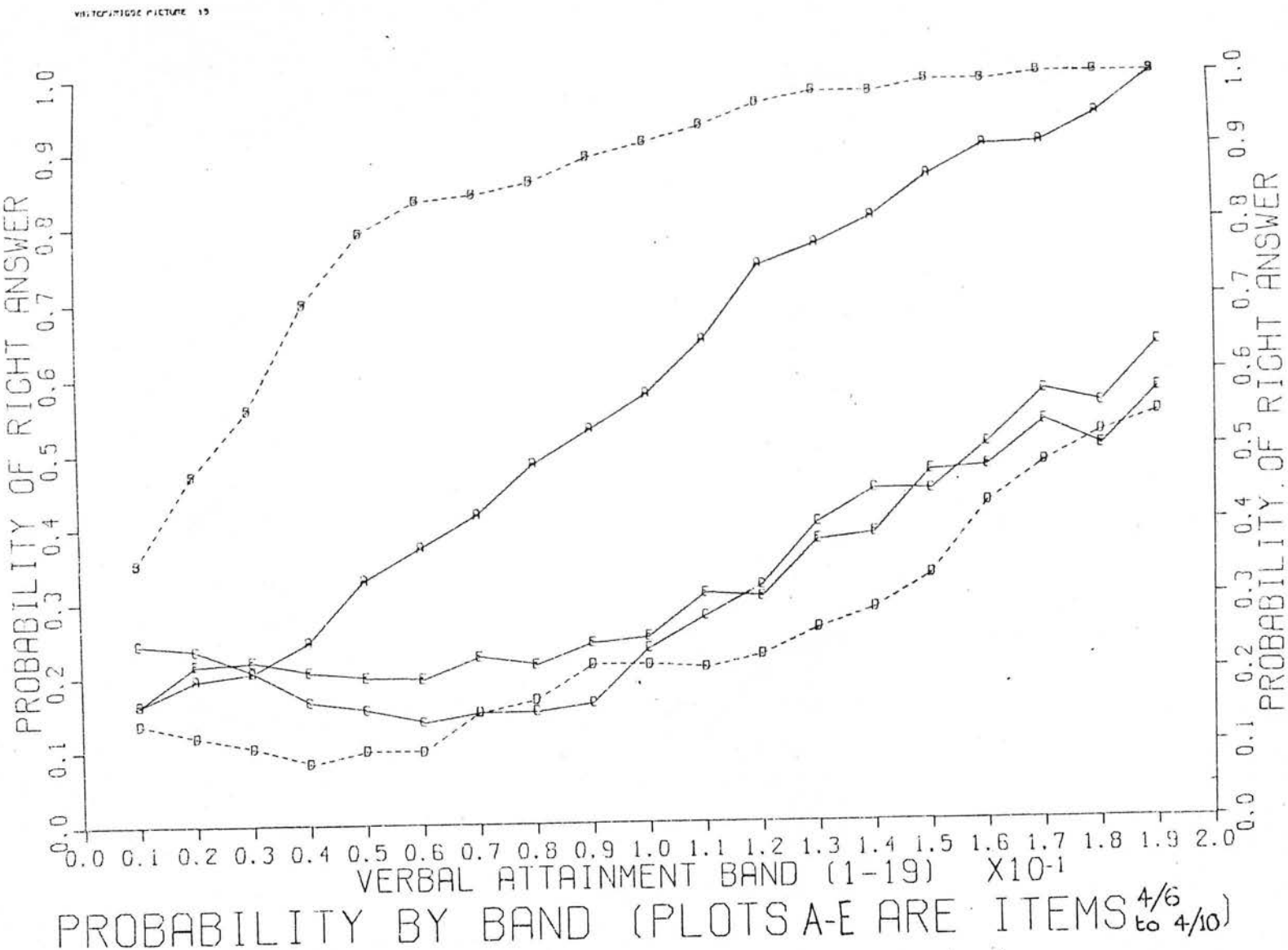
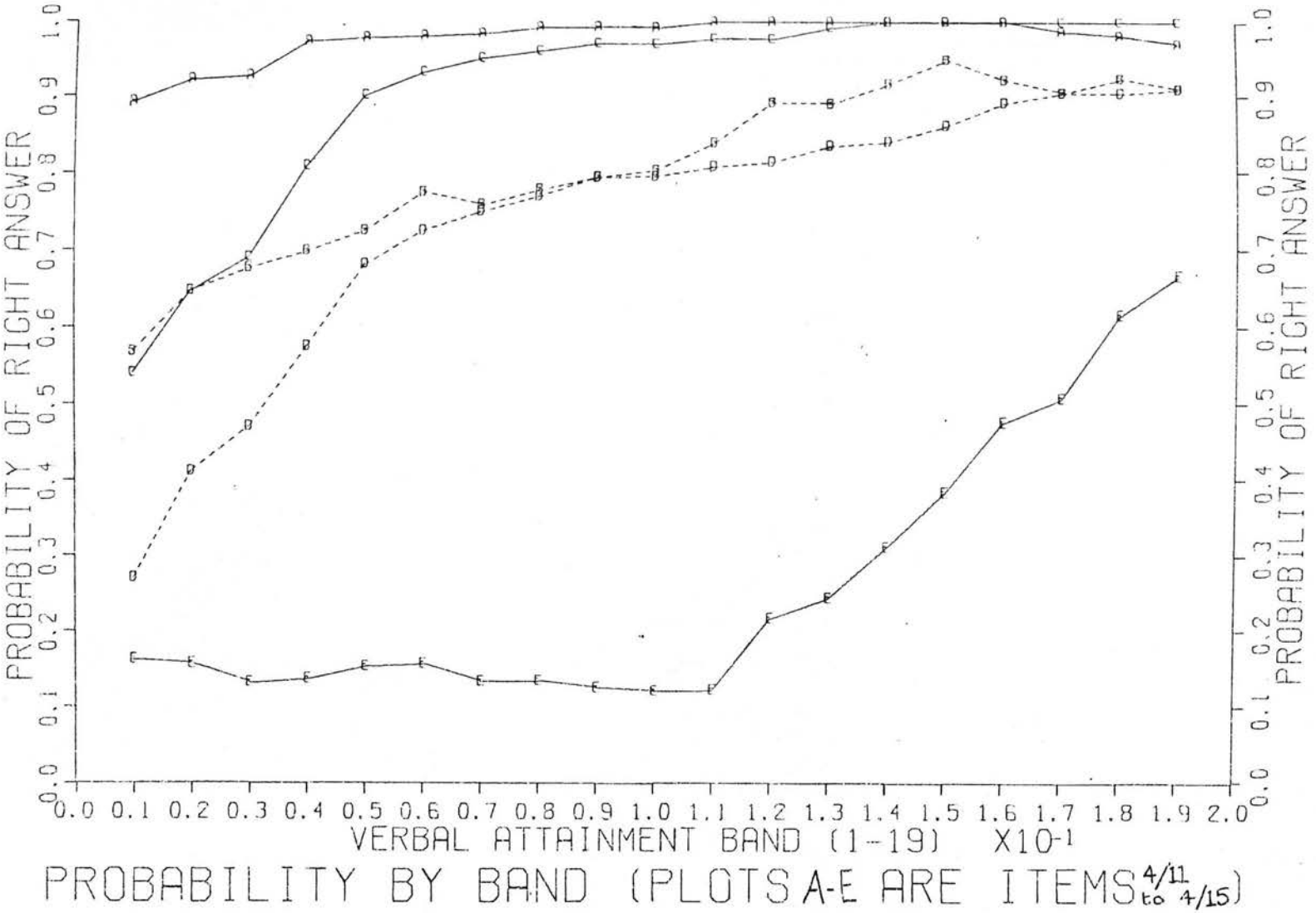
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 3/16 3/20)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 4/1 to 4/5)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 4/6 to 4/10)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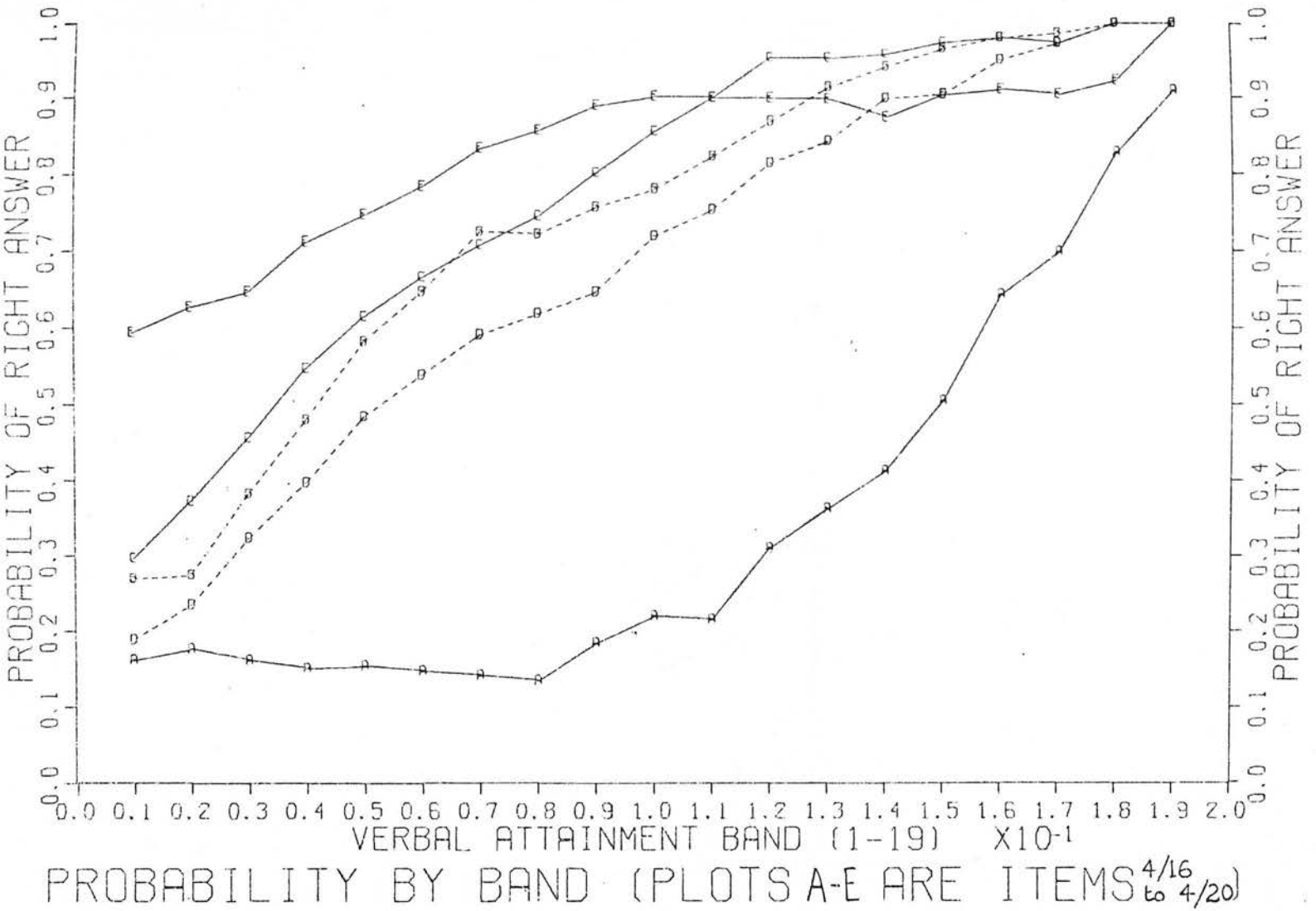
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 4/11 to 4/15)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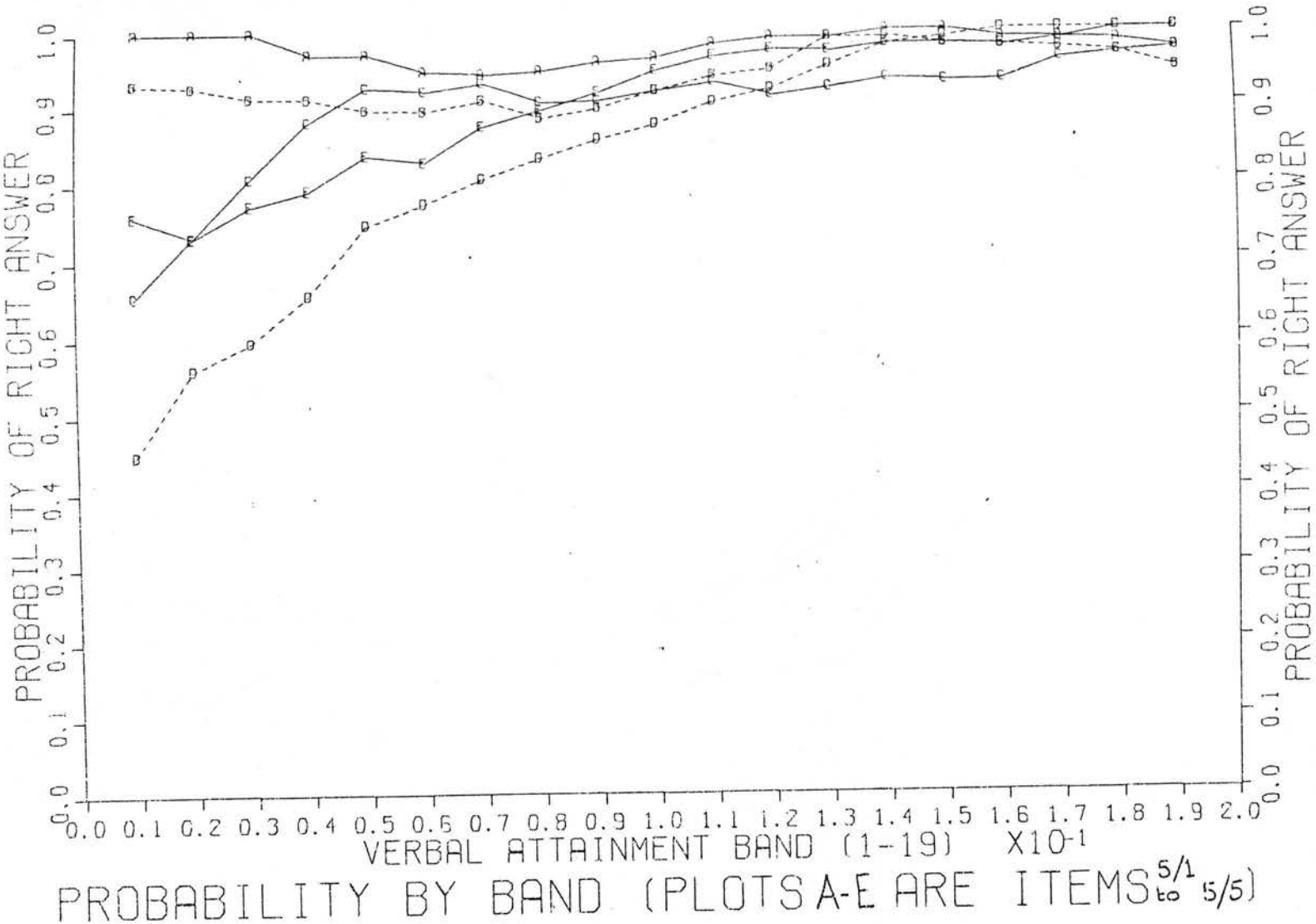
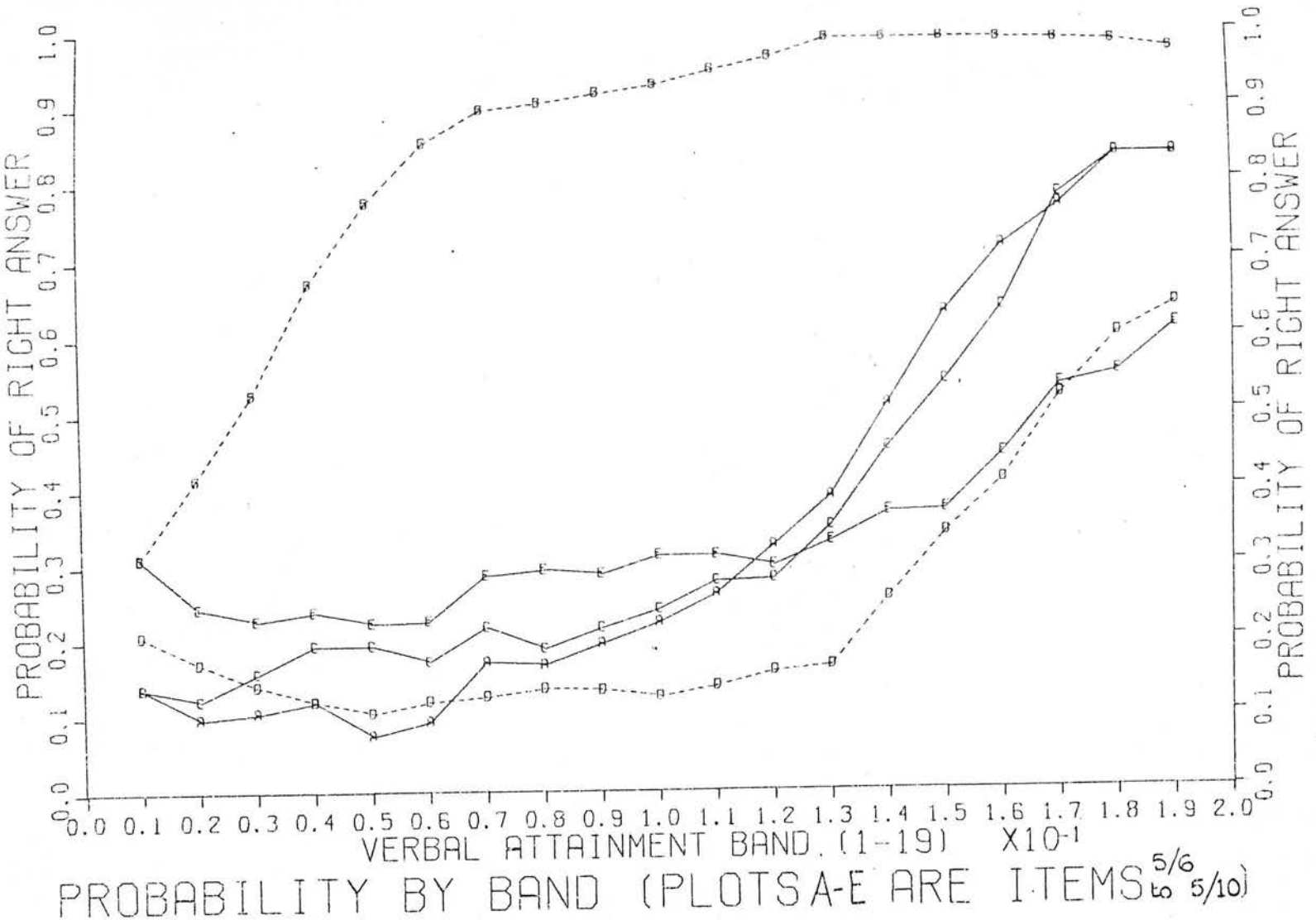
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 4/16 to 4/20)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 5/1 to 5/5)


PROBABILITY OF RIGHT ANSWER
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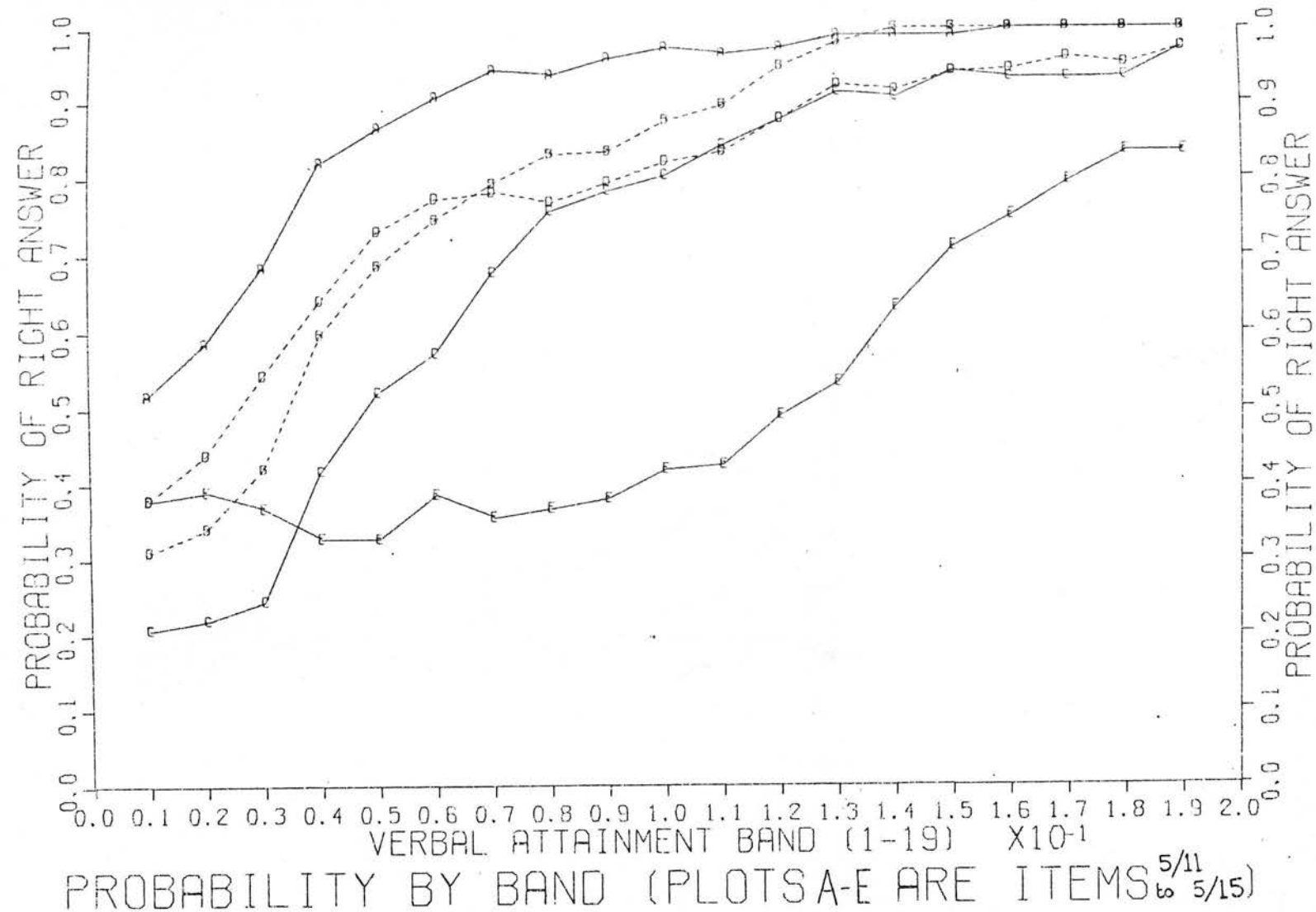
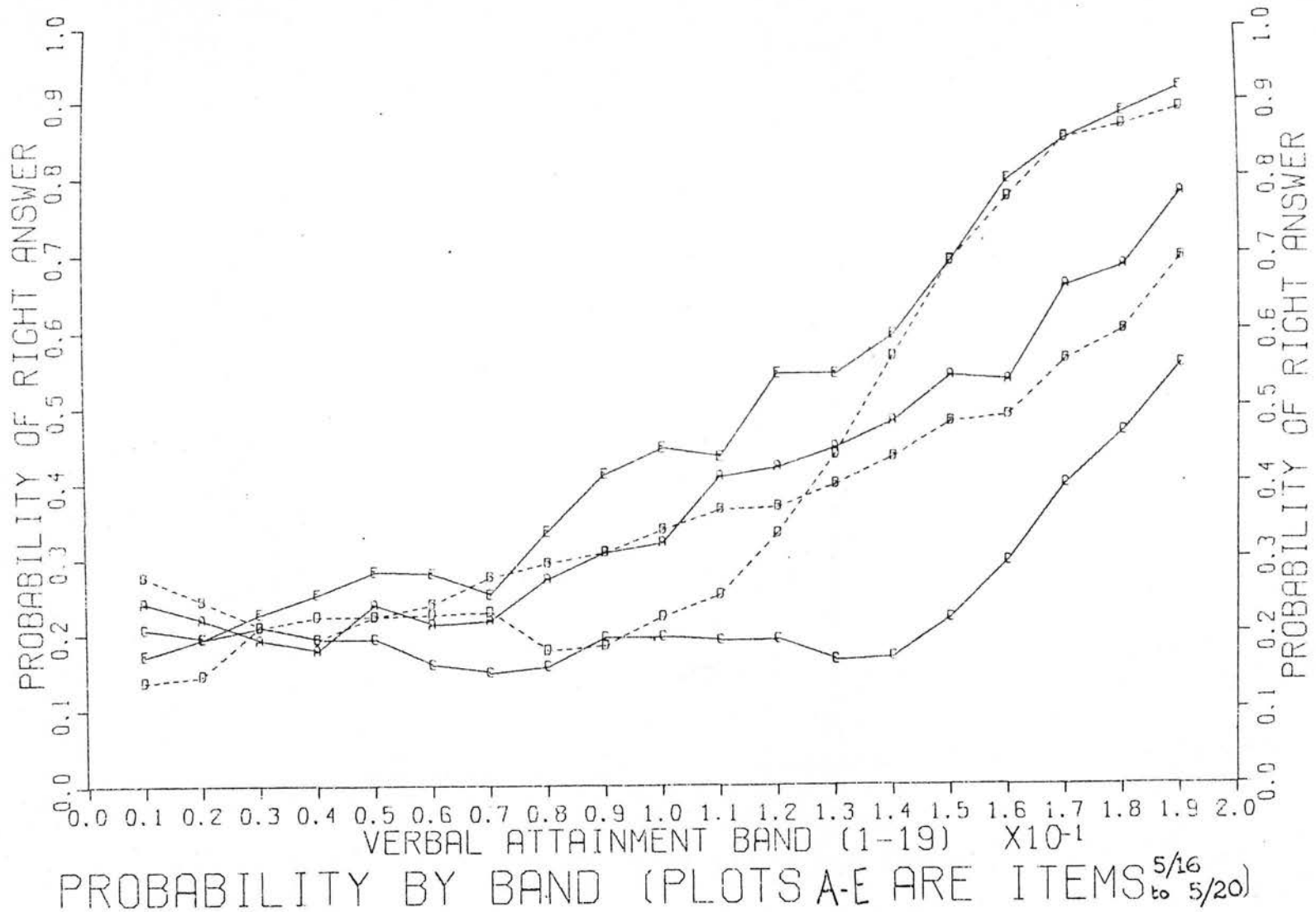
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND. (1-19) X10-1
PROBABILITY BY BAND (PLOTSA-E ARE ITEMS 5/6 to 5/10)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 5/11 & 5/15)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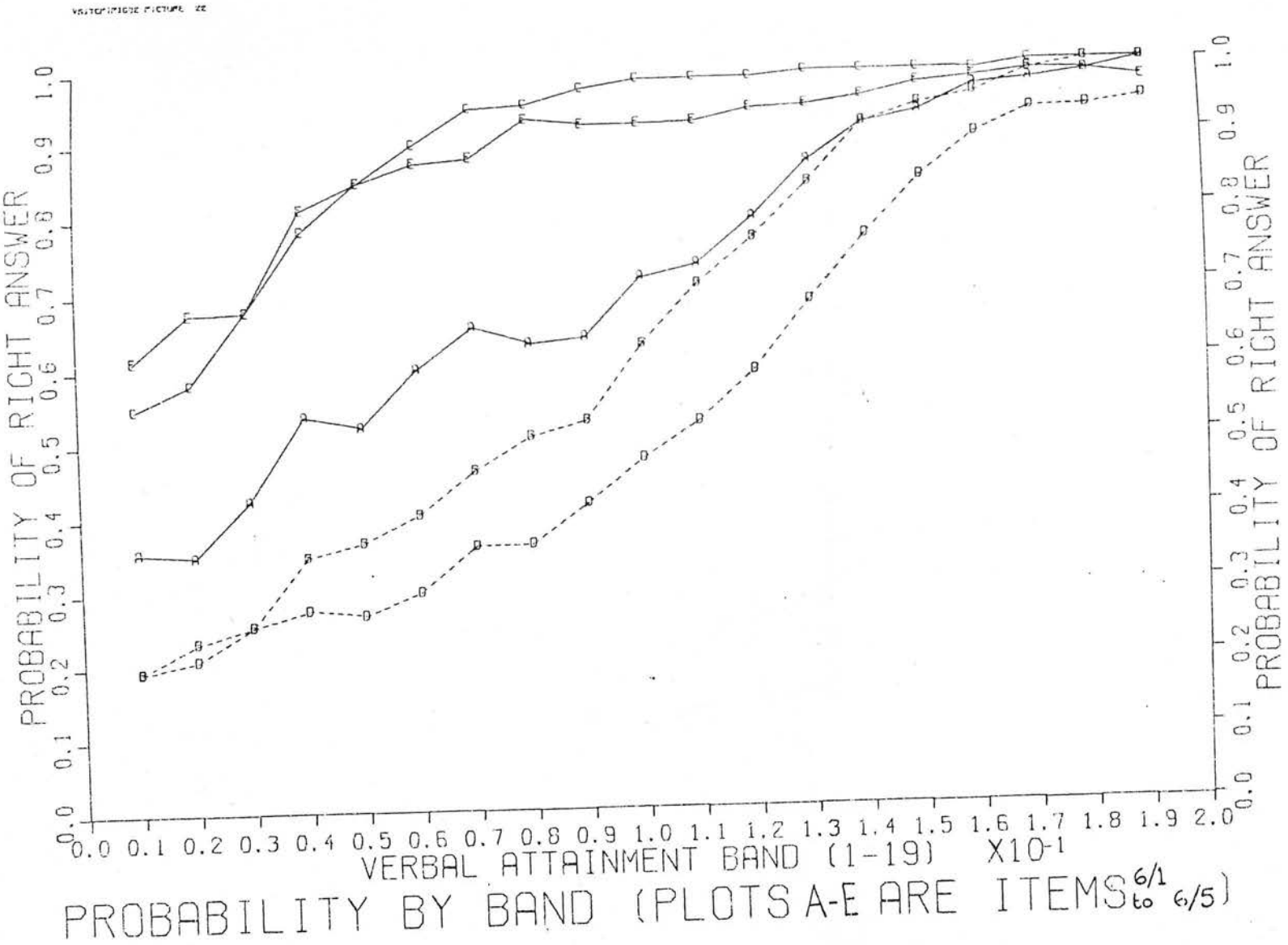
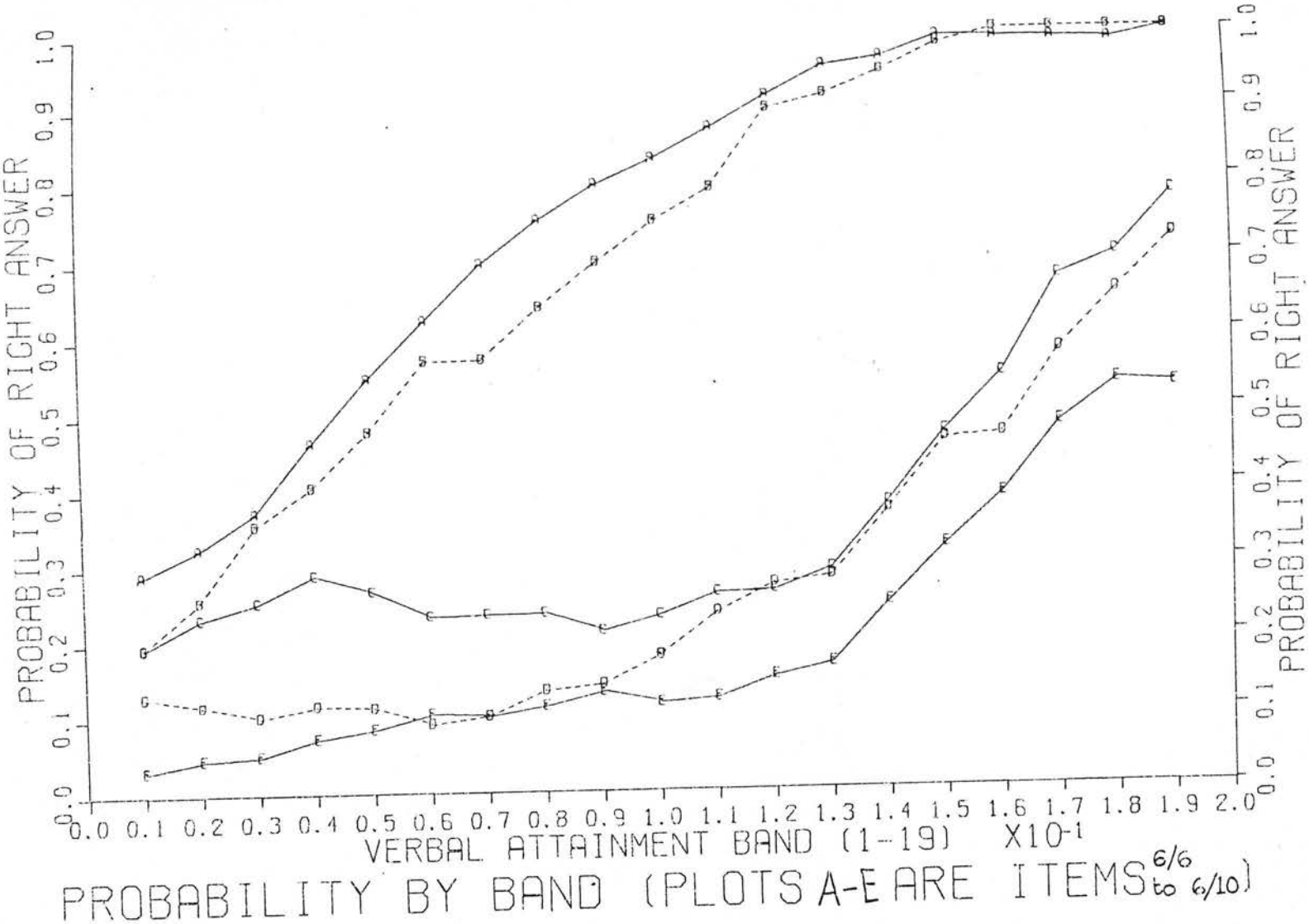
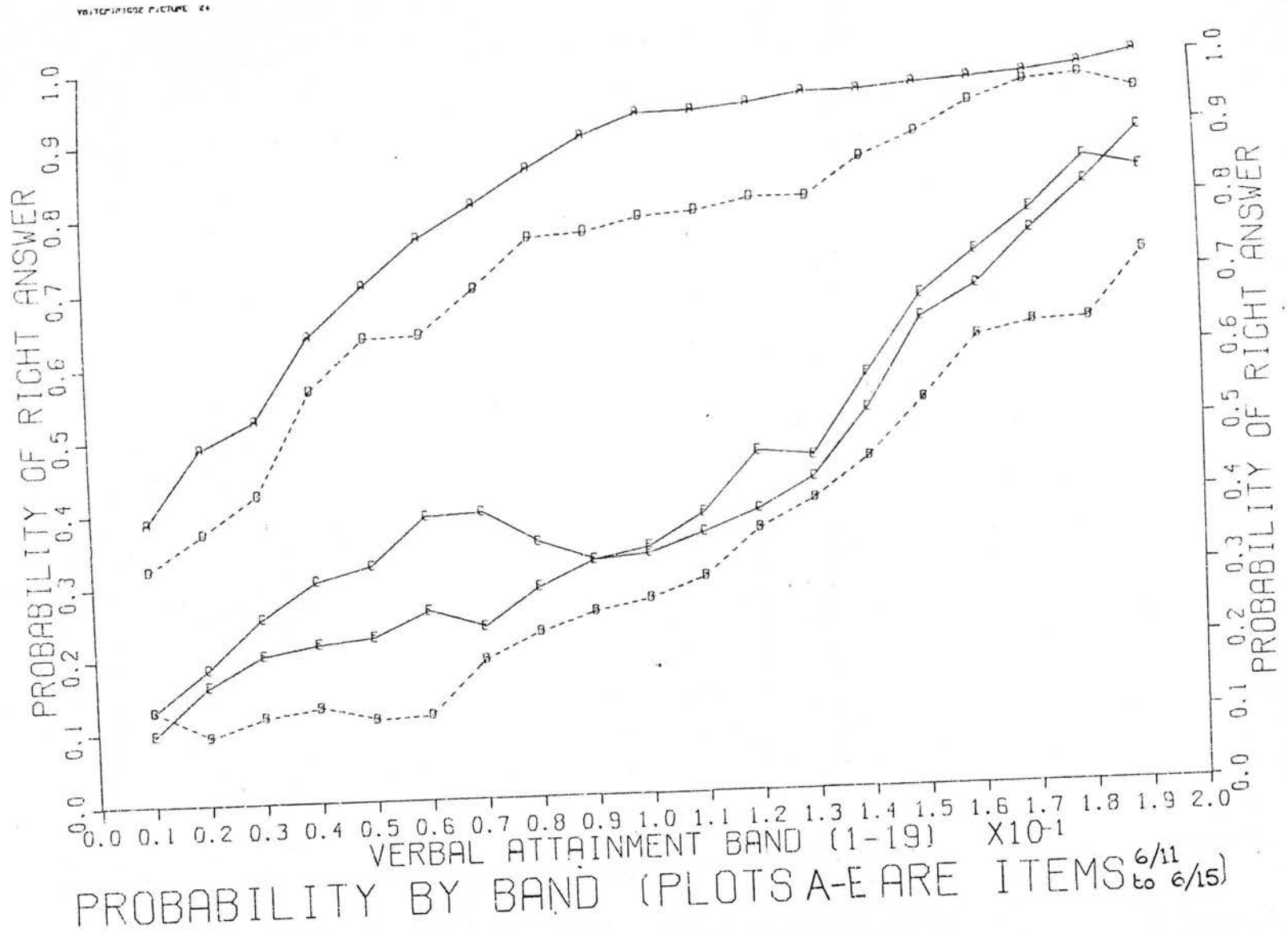
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 5/16 to 5/20)



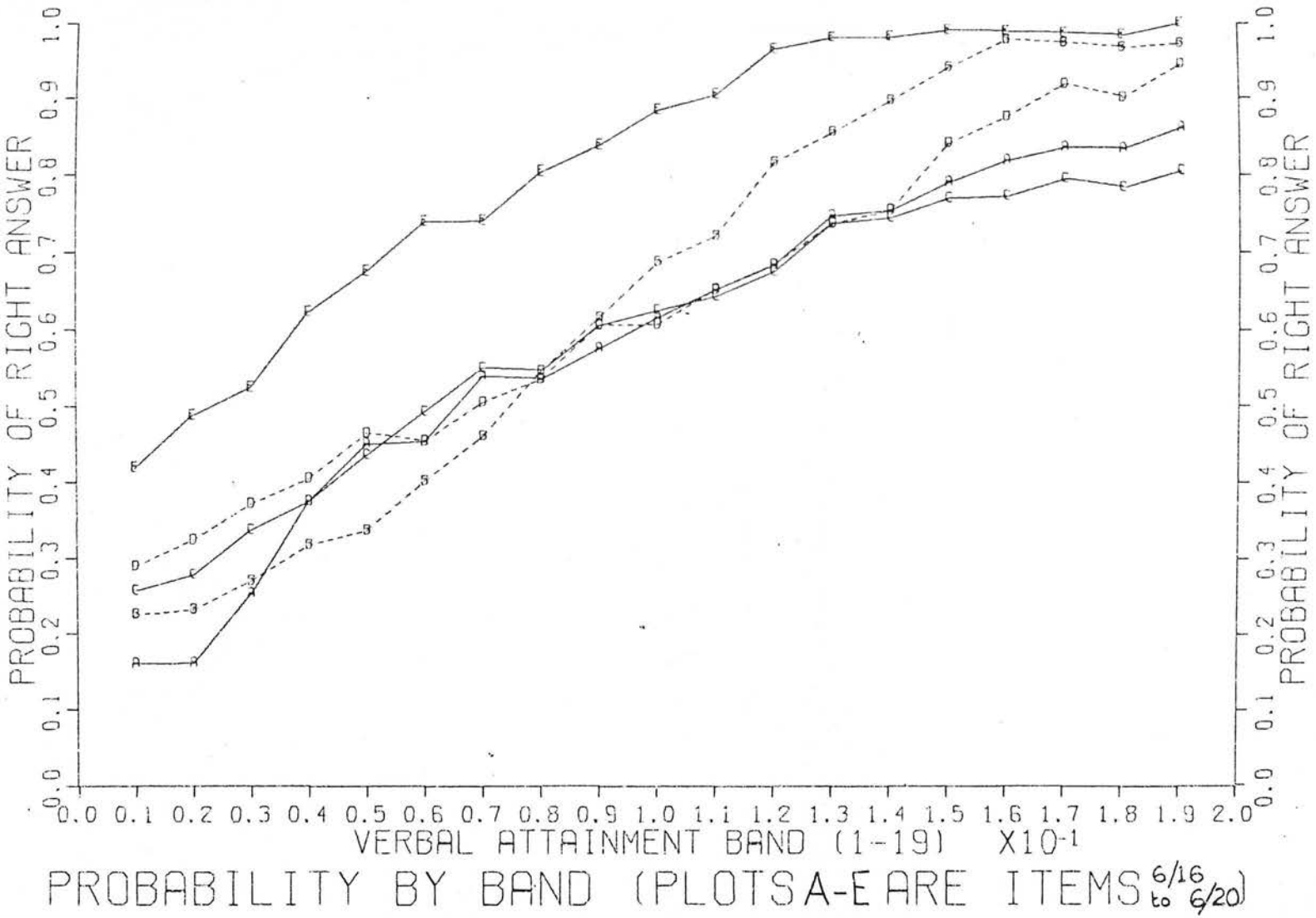
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 6/1 to 6/5)



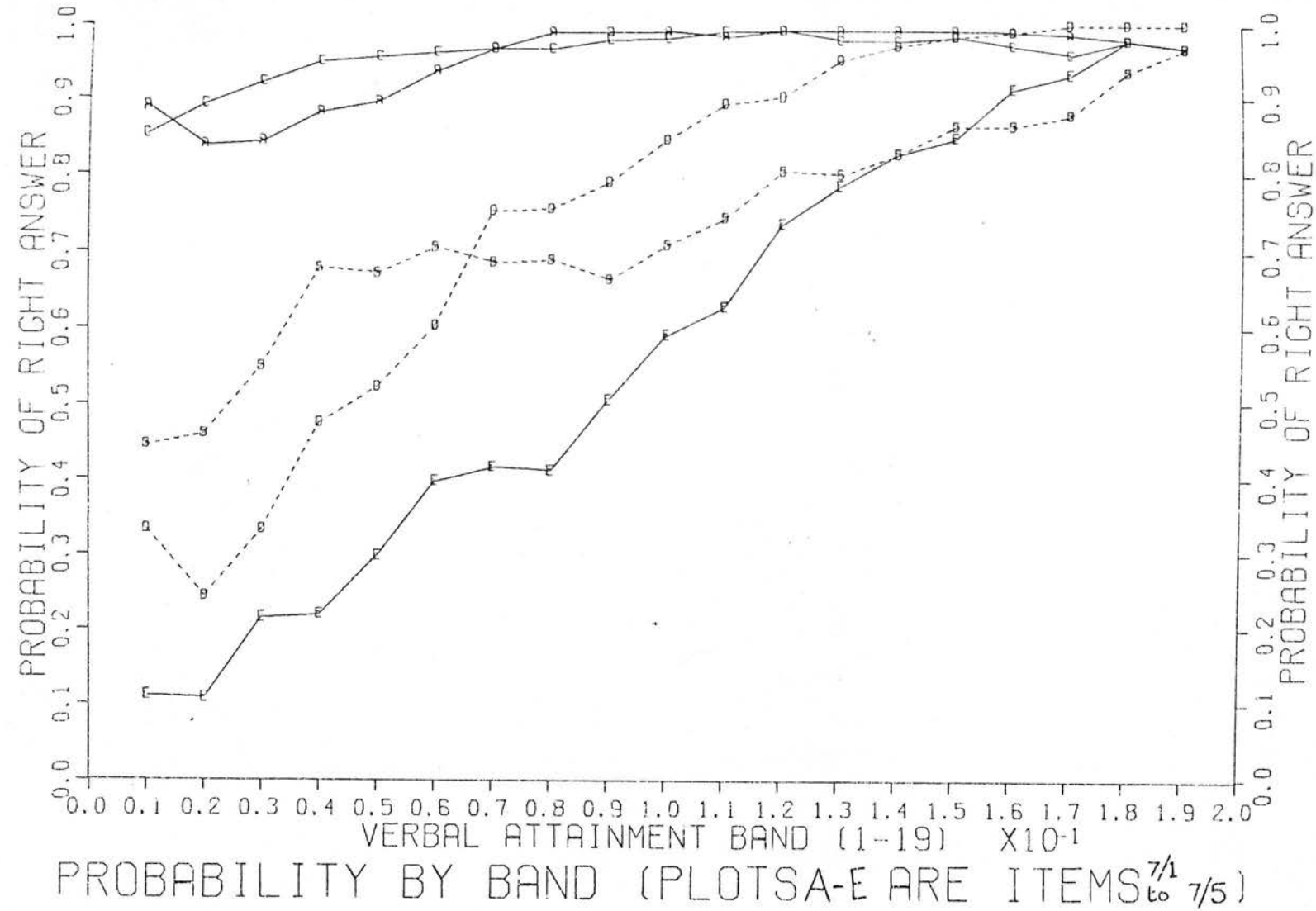
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 6/6 to 6/10)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 6/11 to 6/15)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 6/16 to 6/20)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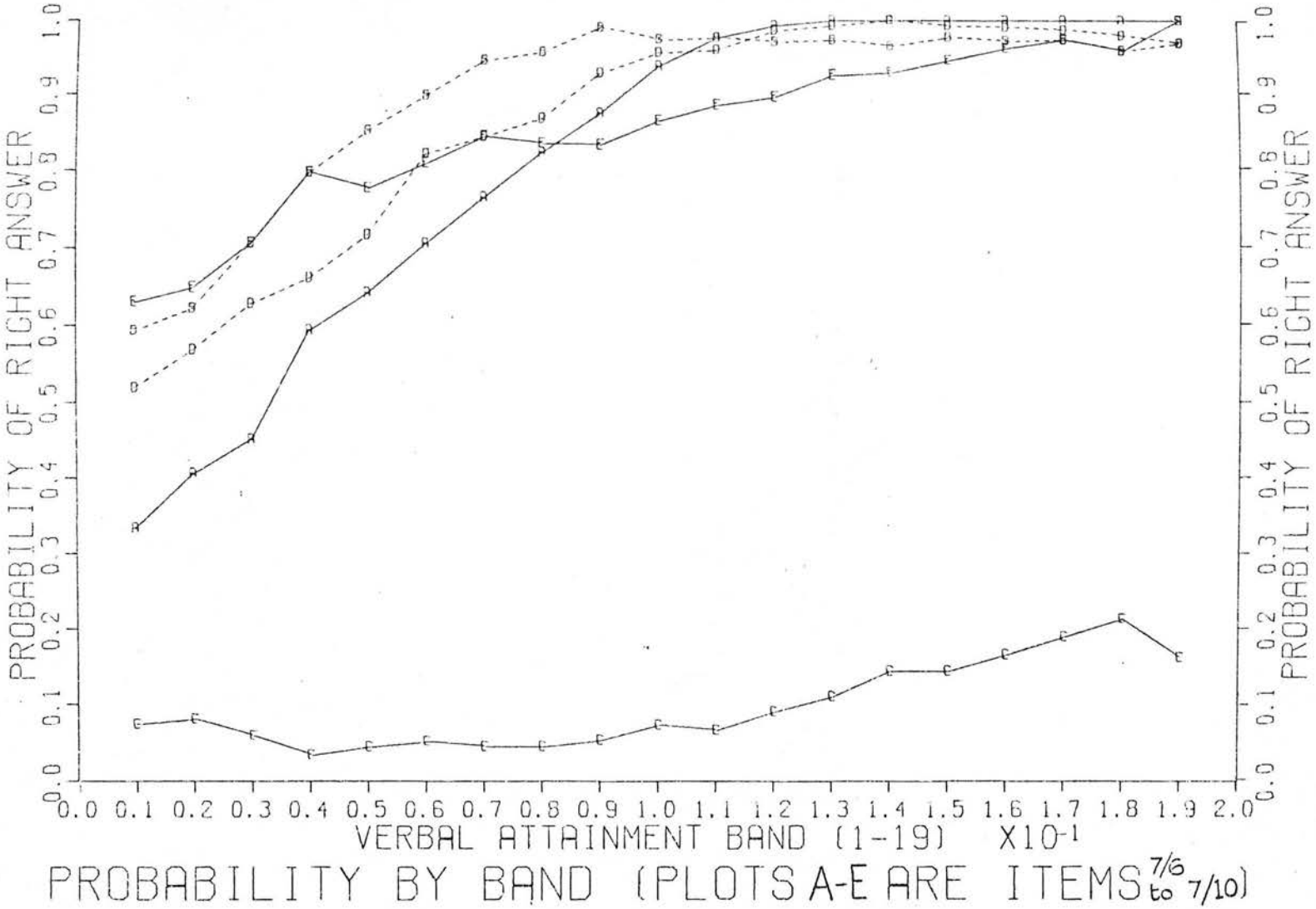
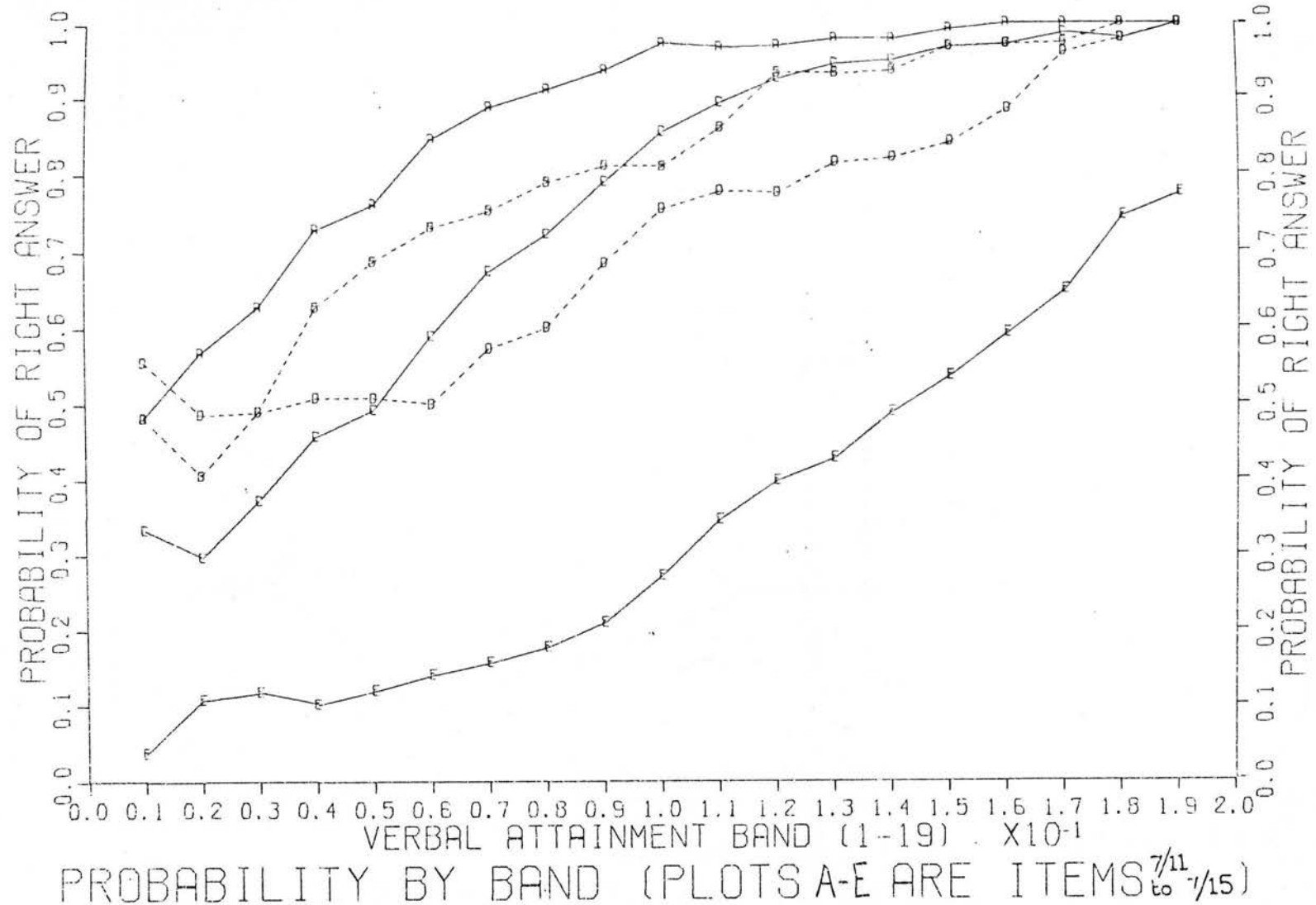
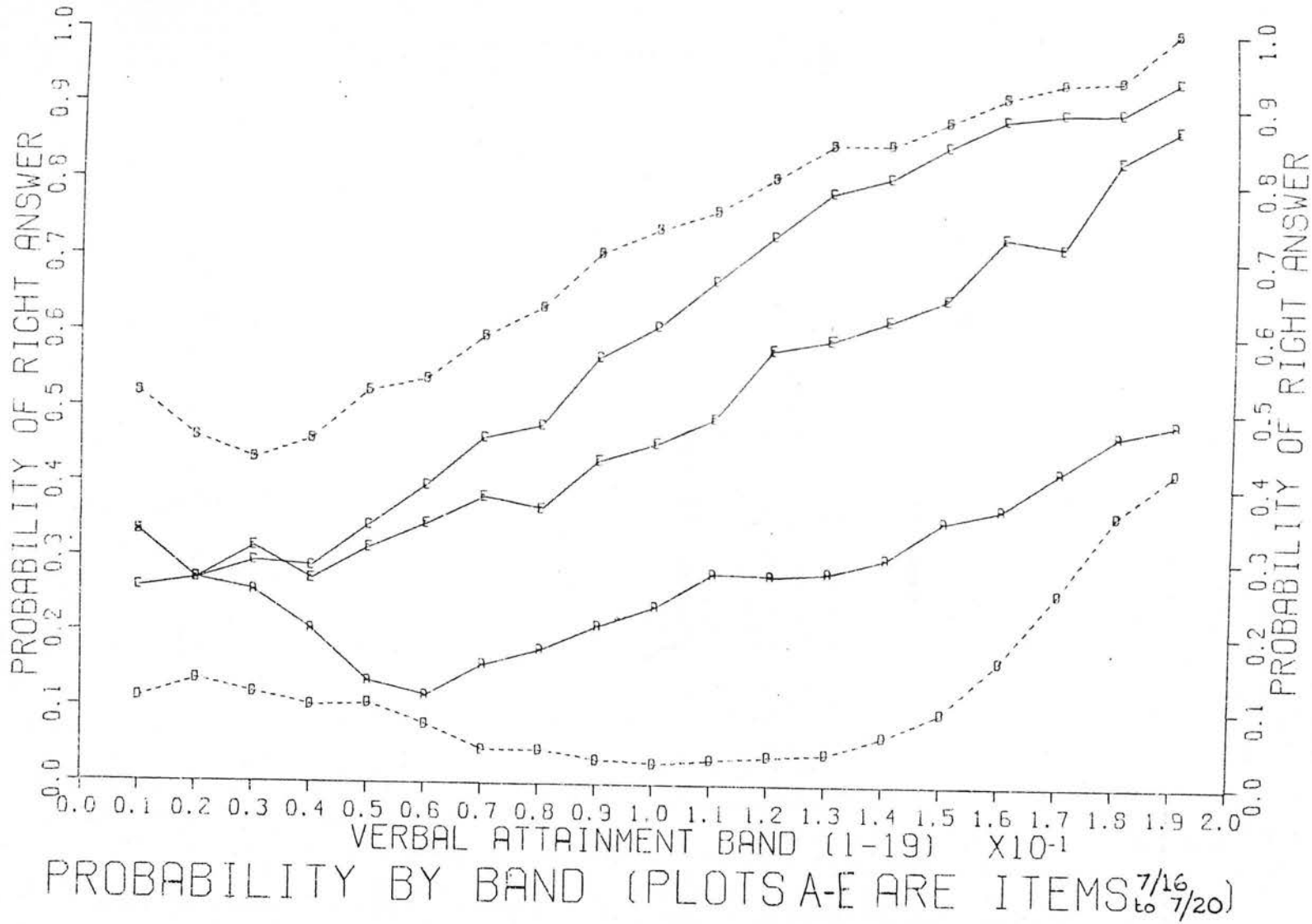
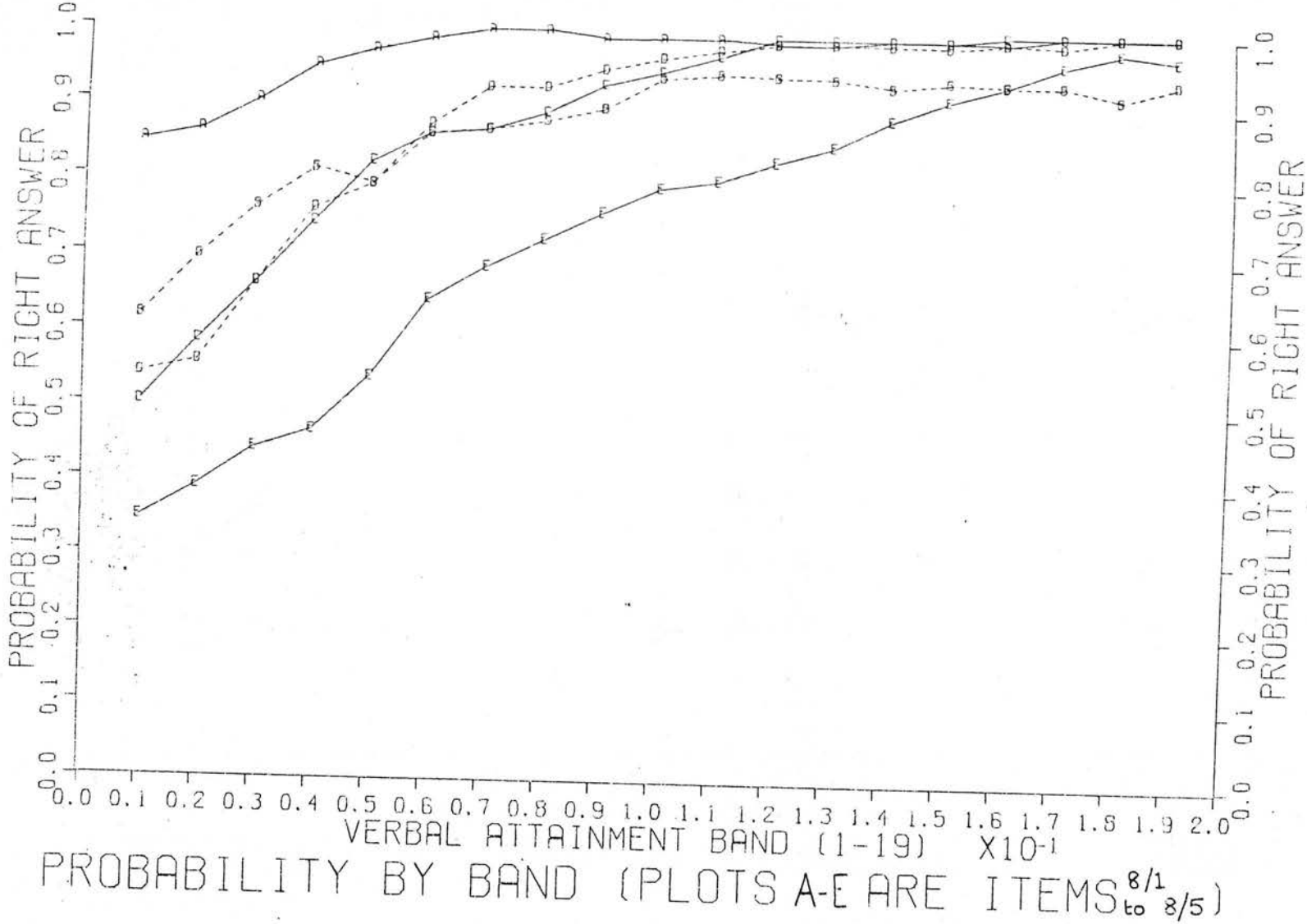
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTSA-E ARE ITEMS 7/1 to 7/5)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 7/6 to 7/10)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 7/11 to 7/15)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 7/16 to 7/20)


PROBABILITY OF RIGHT ANSWER
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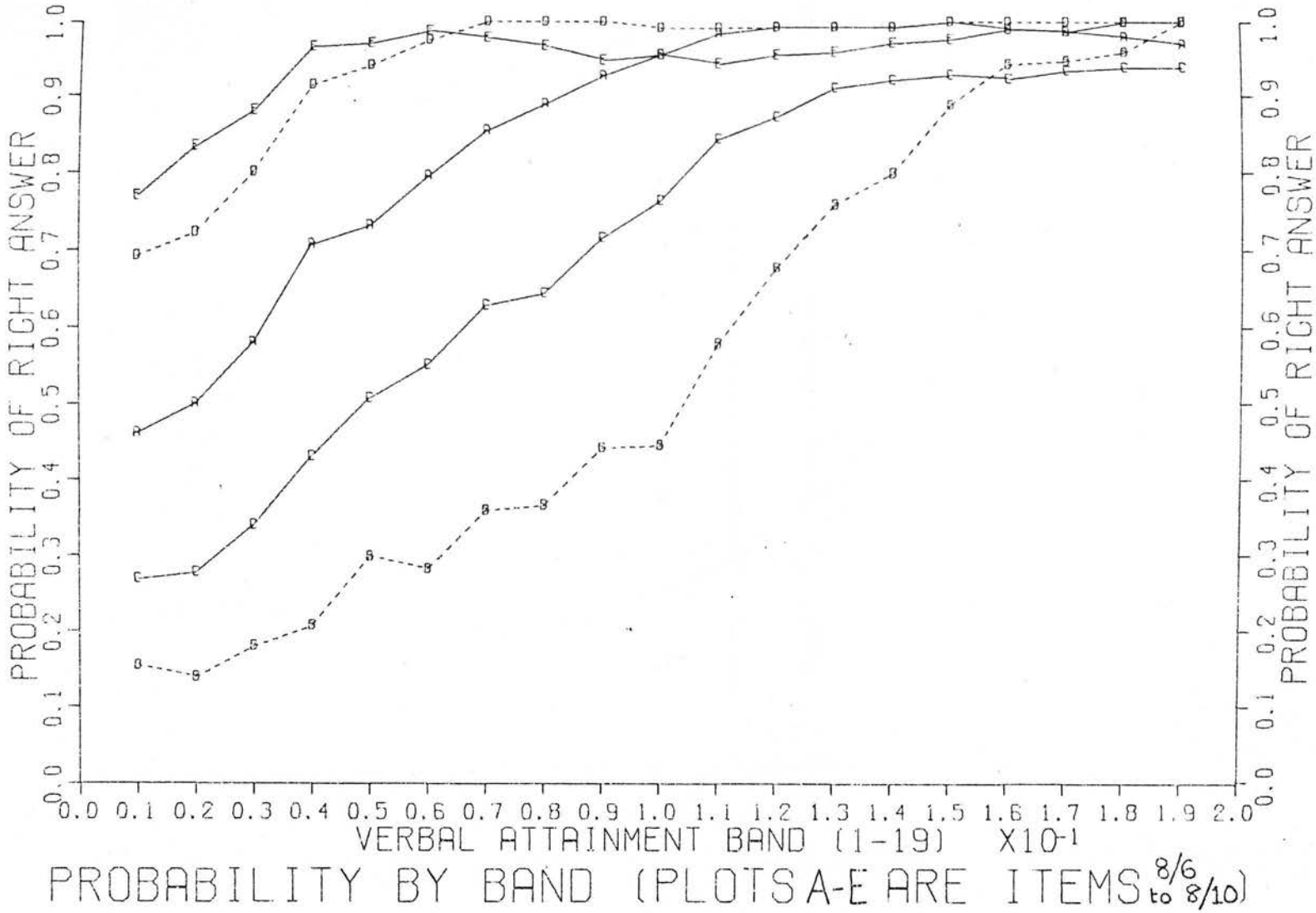
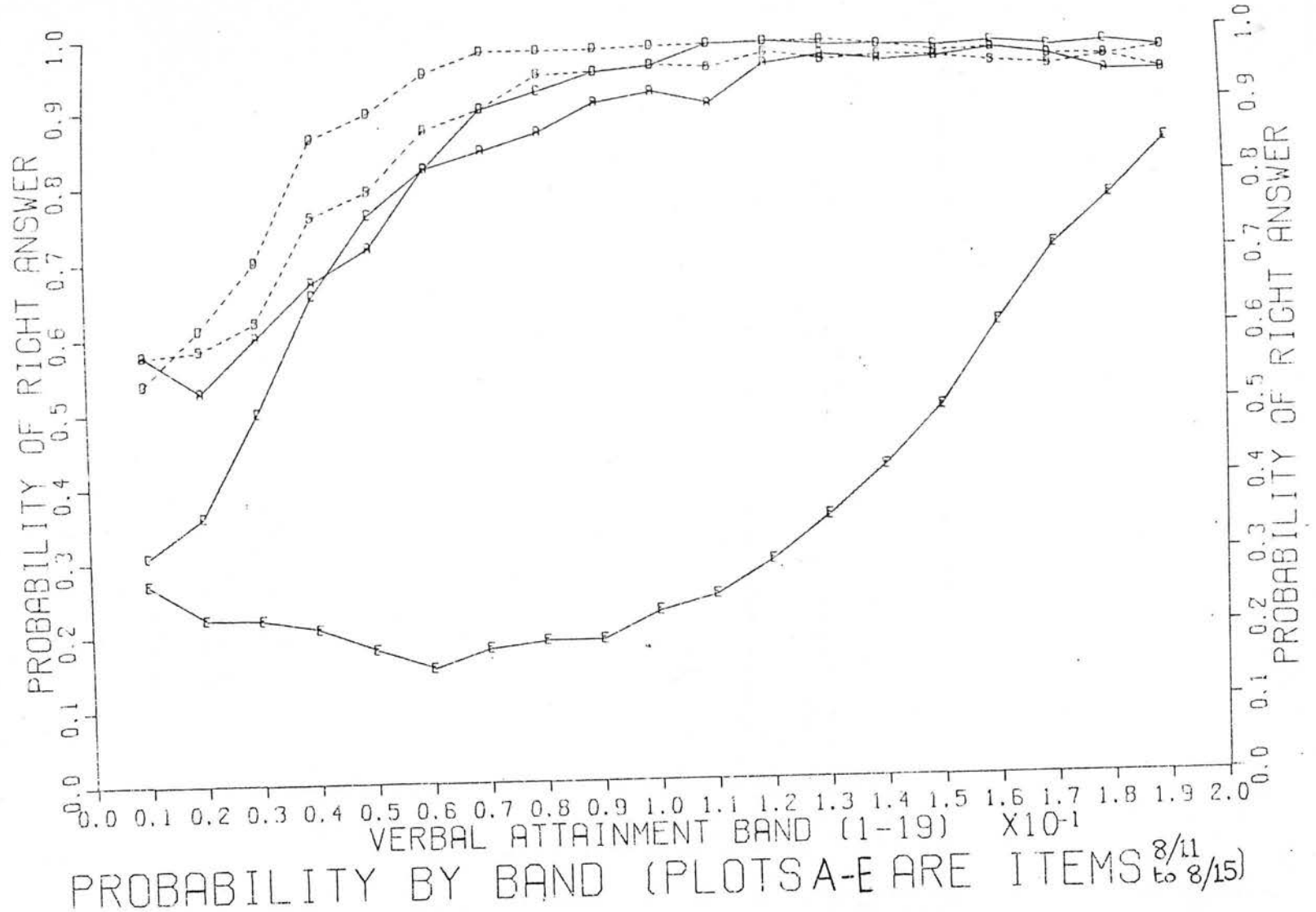
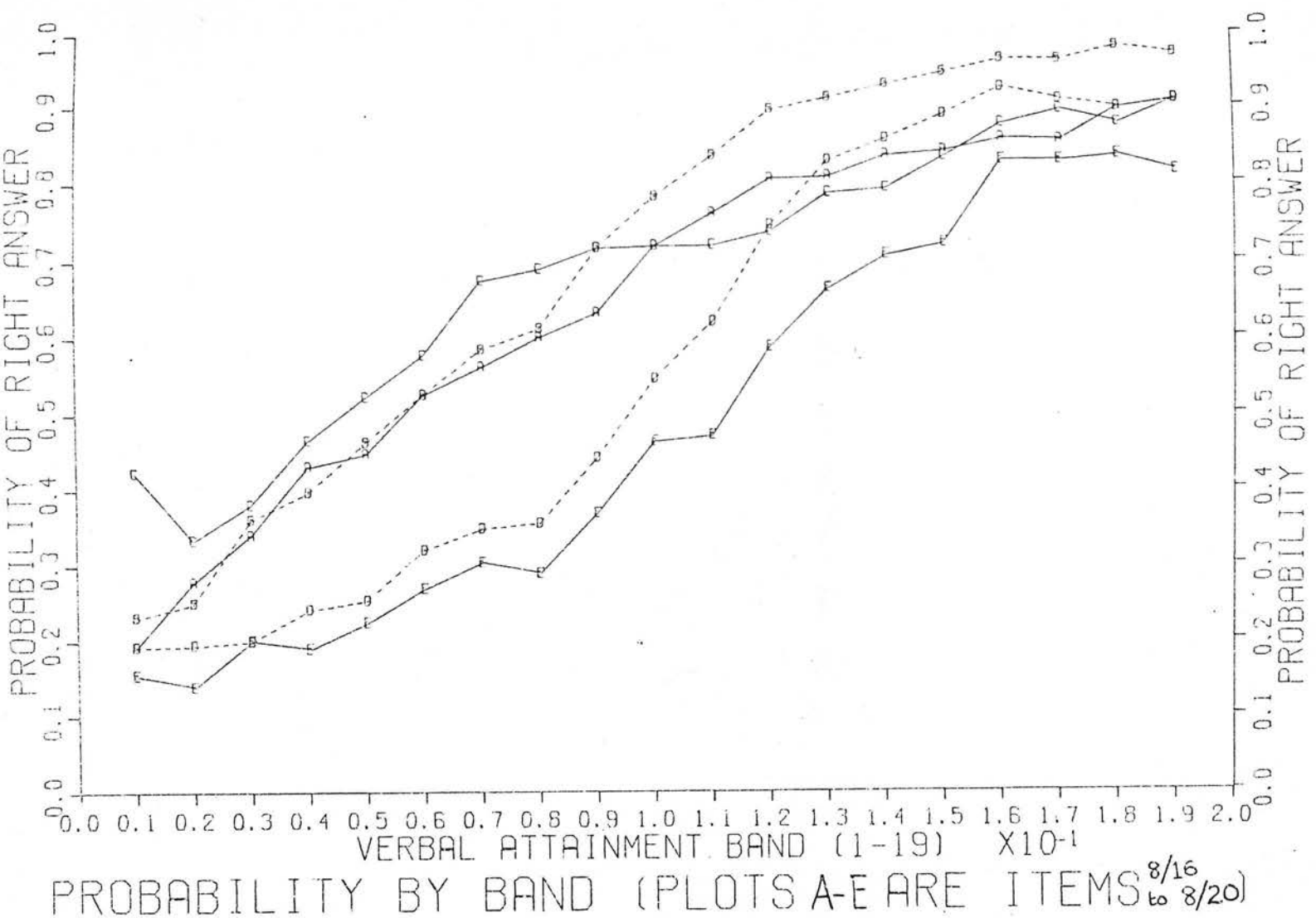
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 8/1 to 8/5)



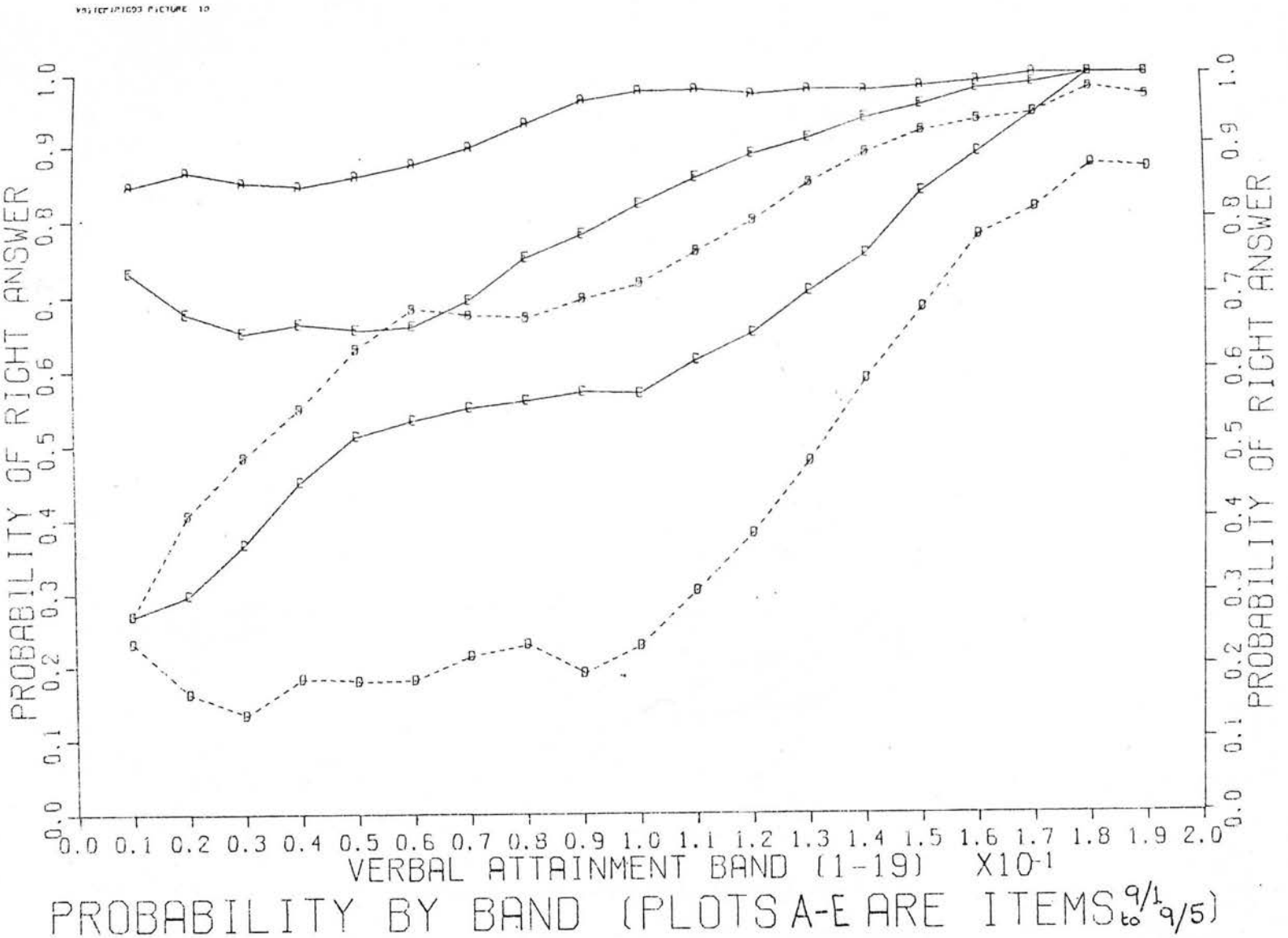
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 8/6 to 8/10)

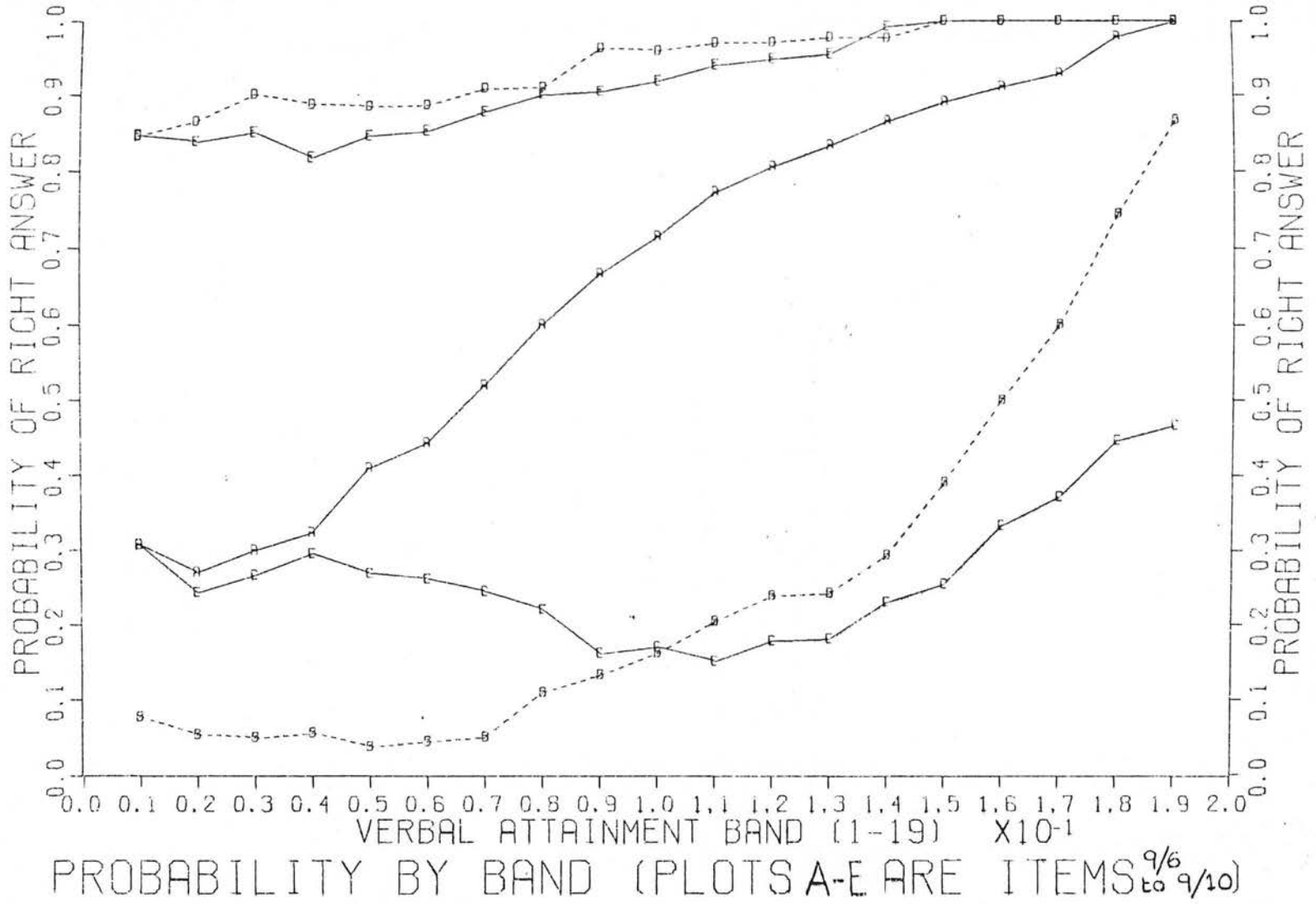


PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 8/11 to 8/15)

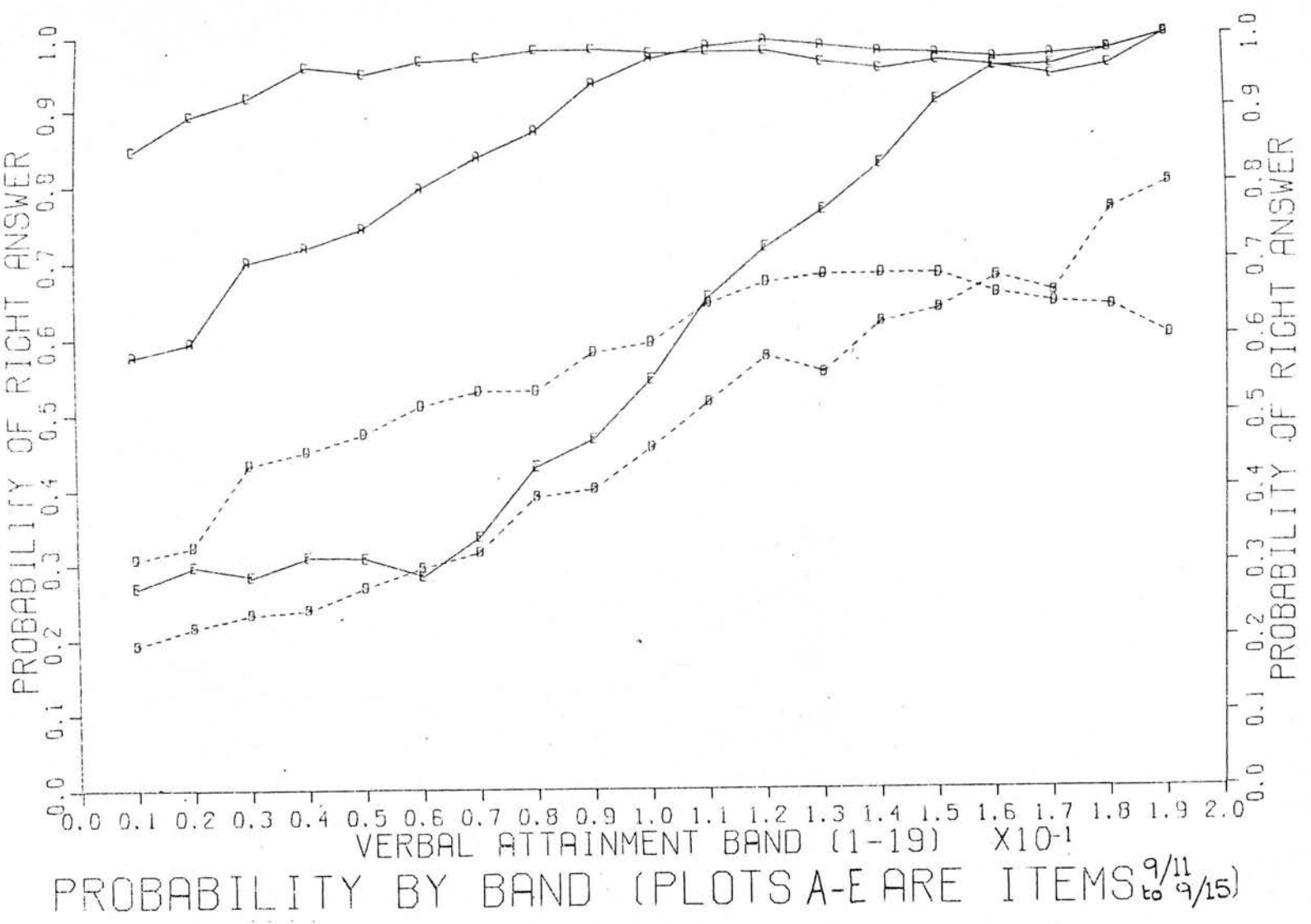


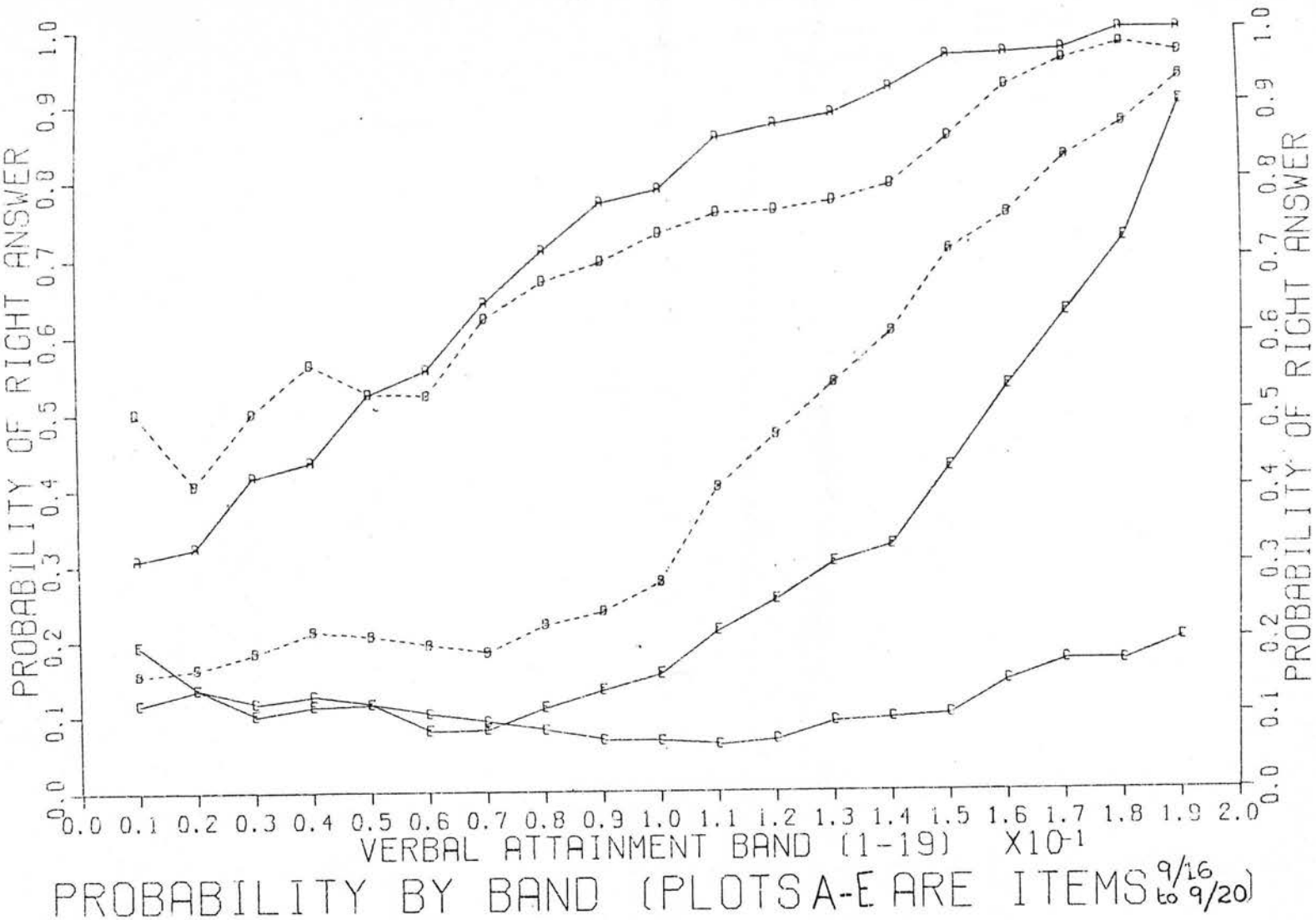
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 8/16 to 8/20)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 9/1 to 9/5)

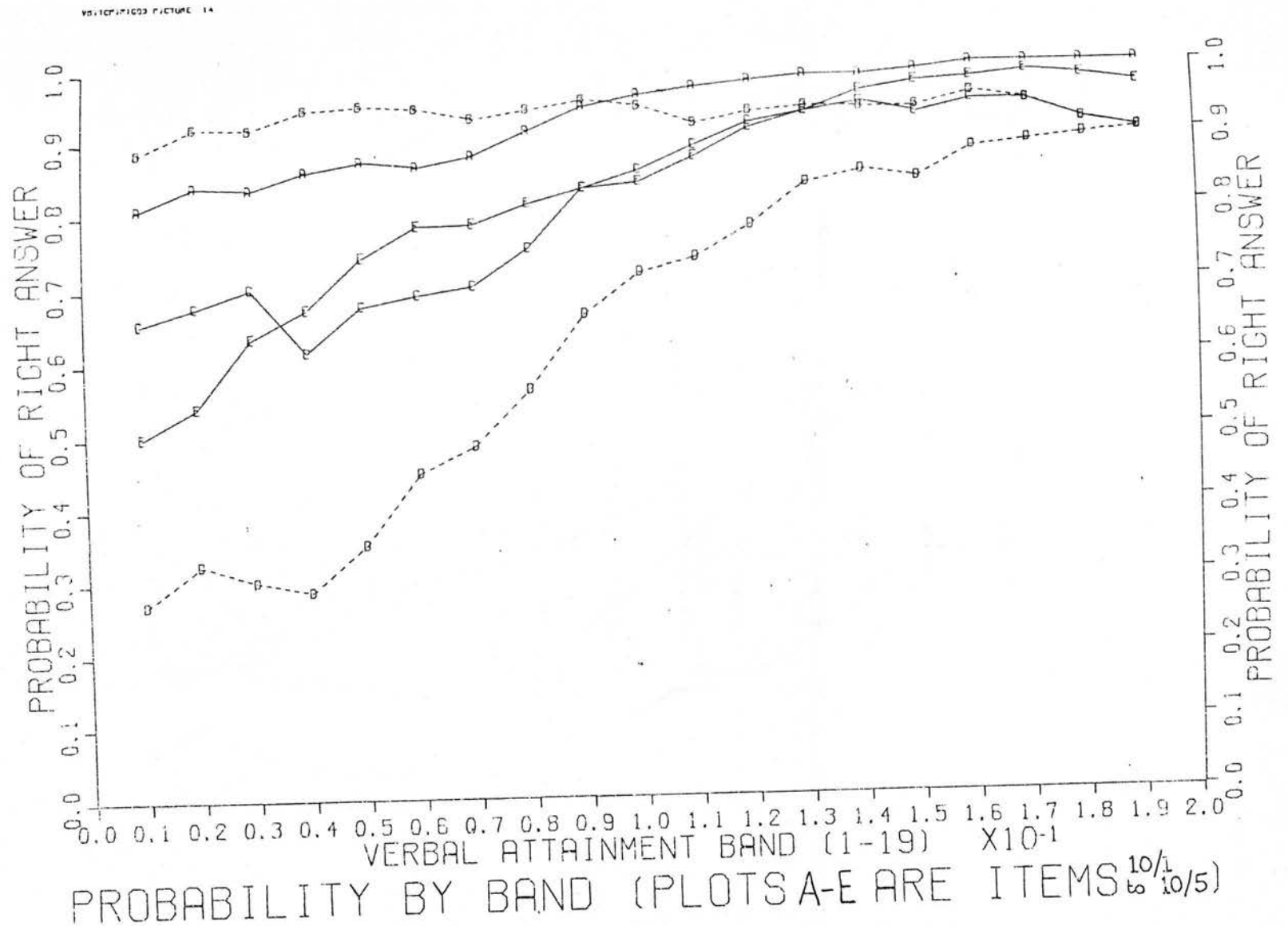


PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 9/6 to 9/10)

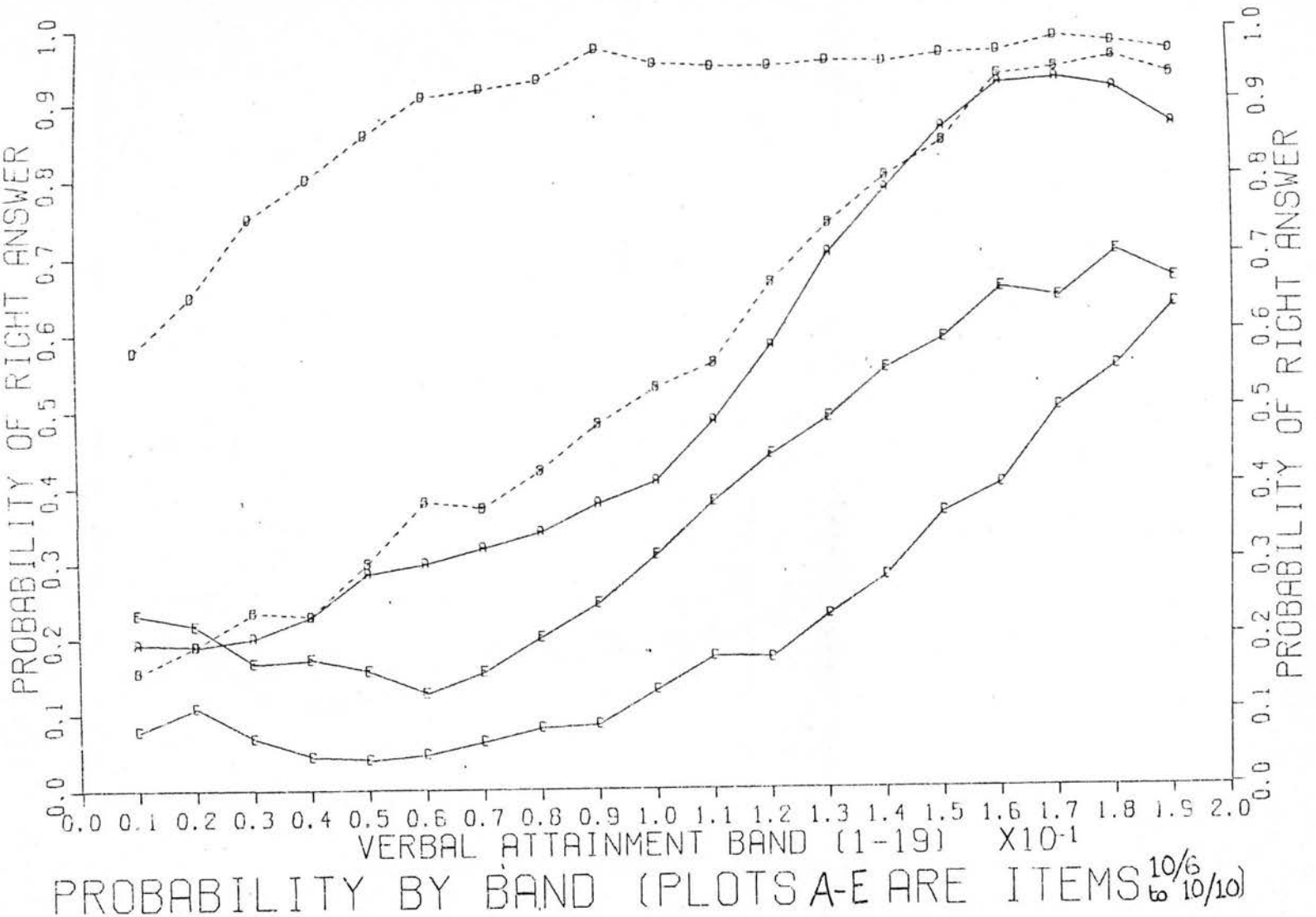

PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 9/11 to 9/15)



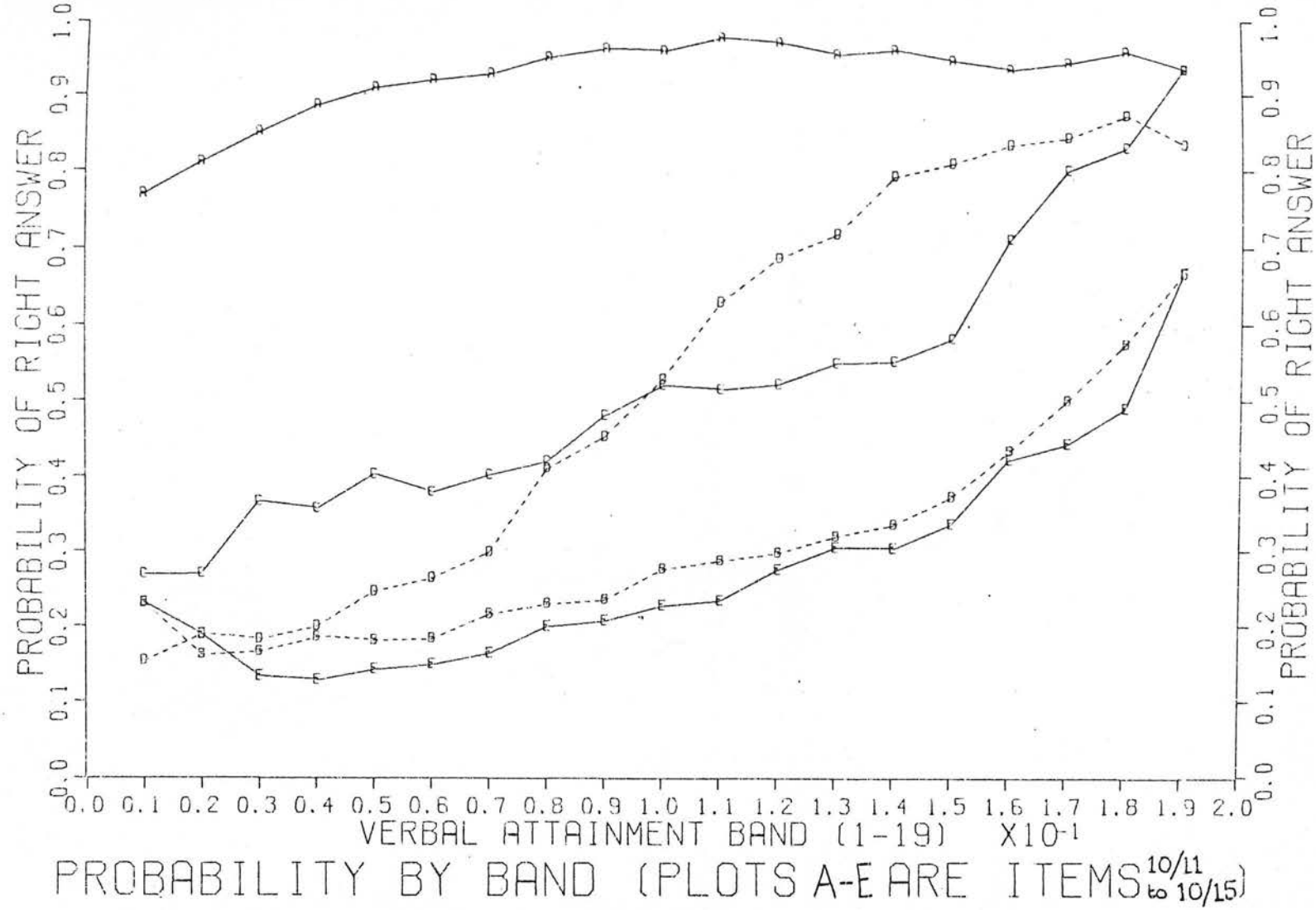
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 9/16 to 9/20)

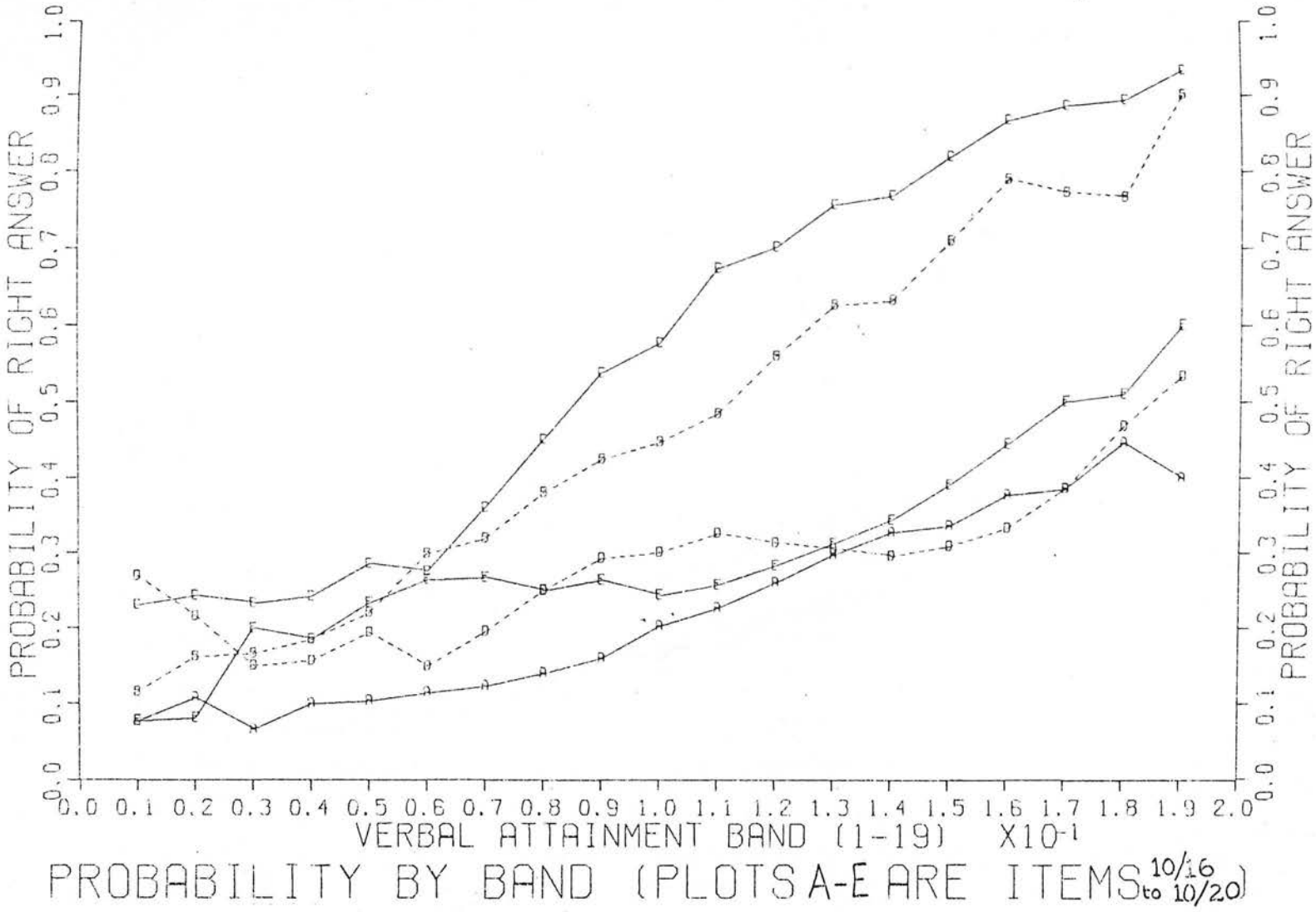


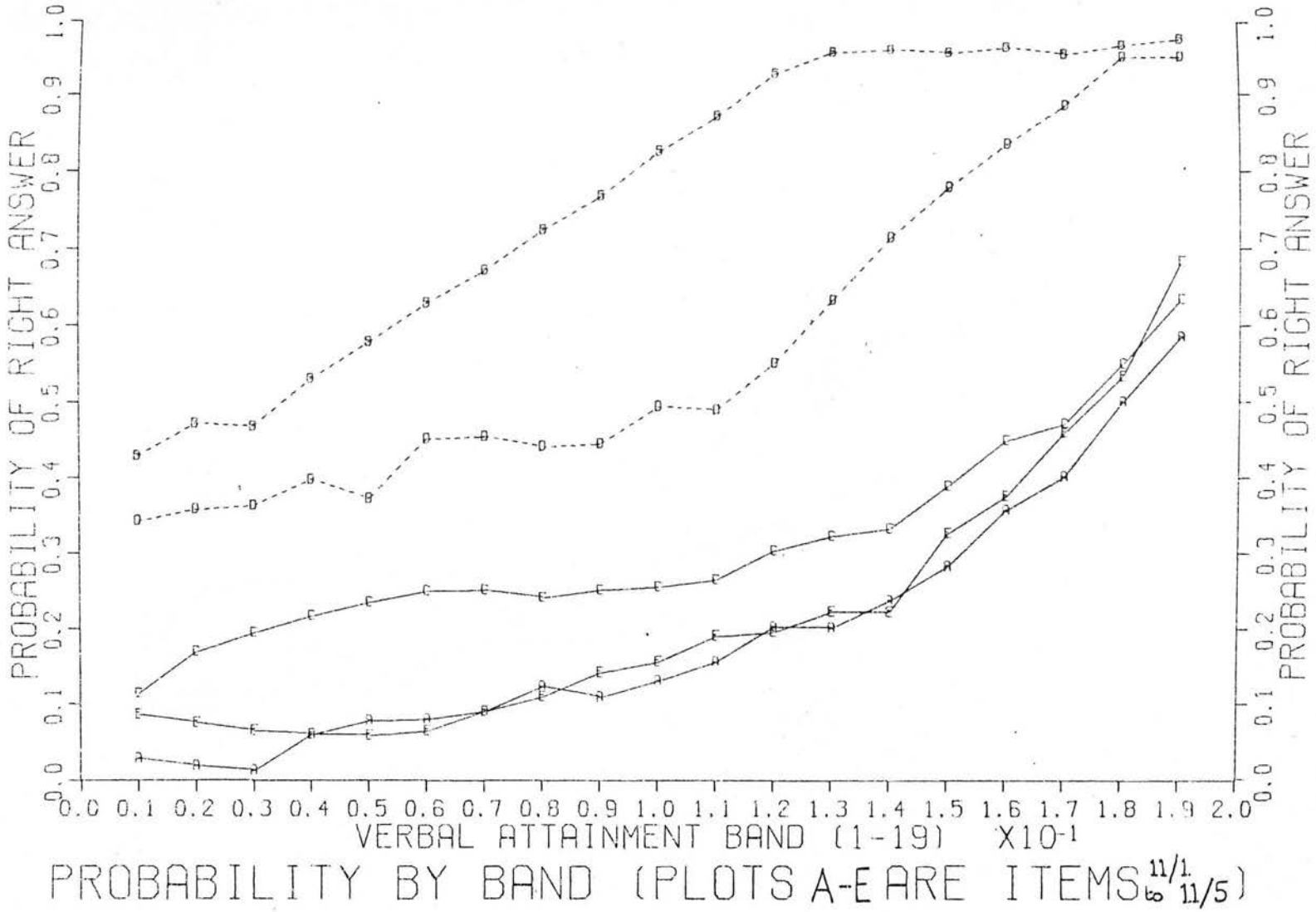
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 10/1 to 10/5)

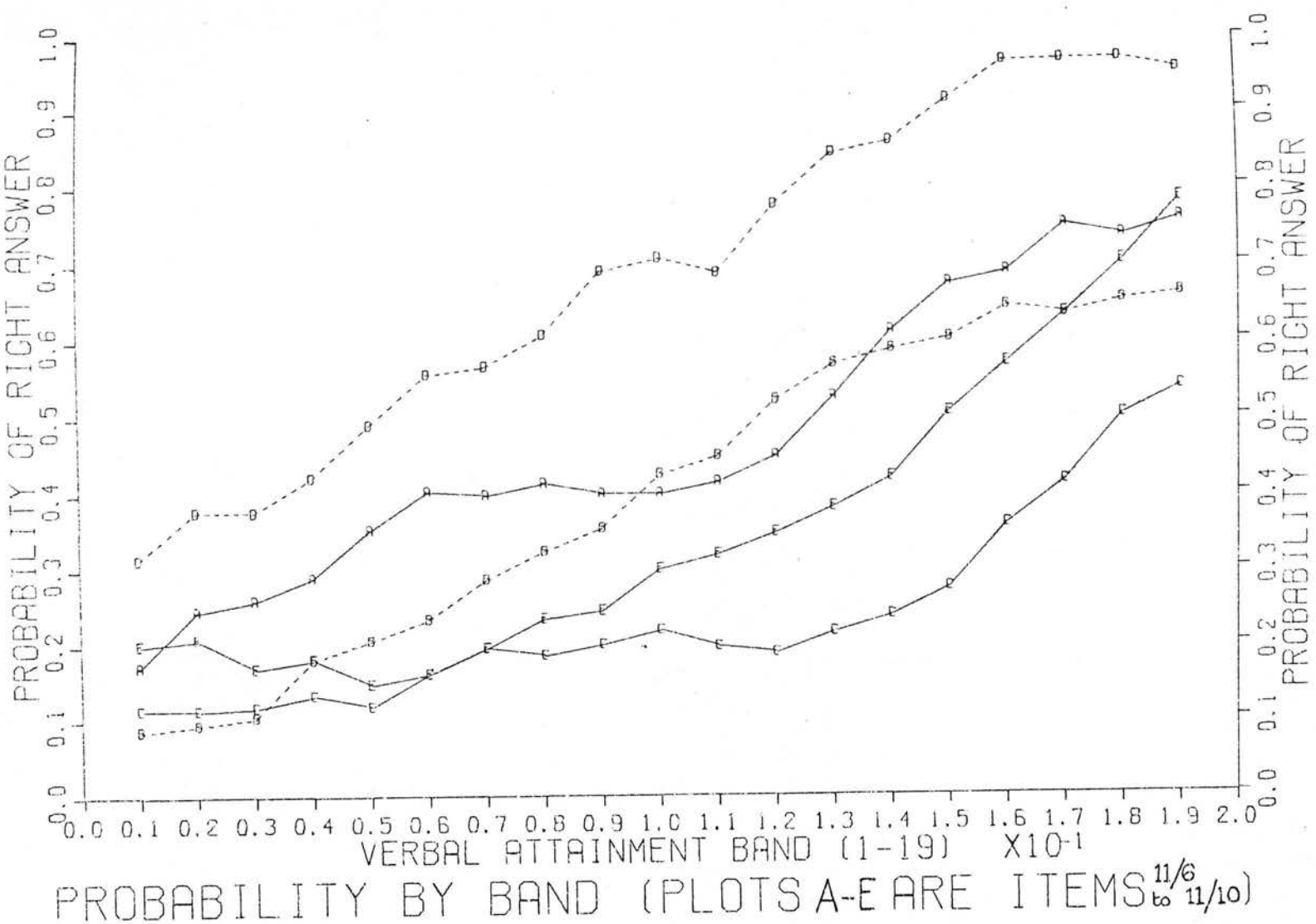


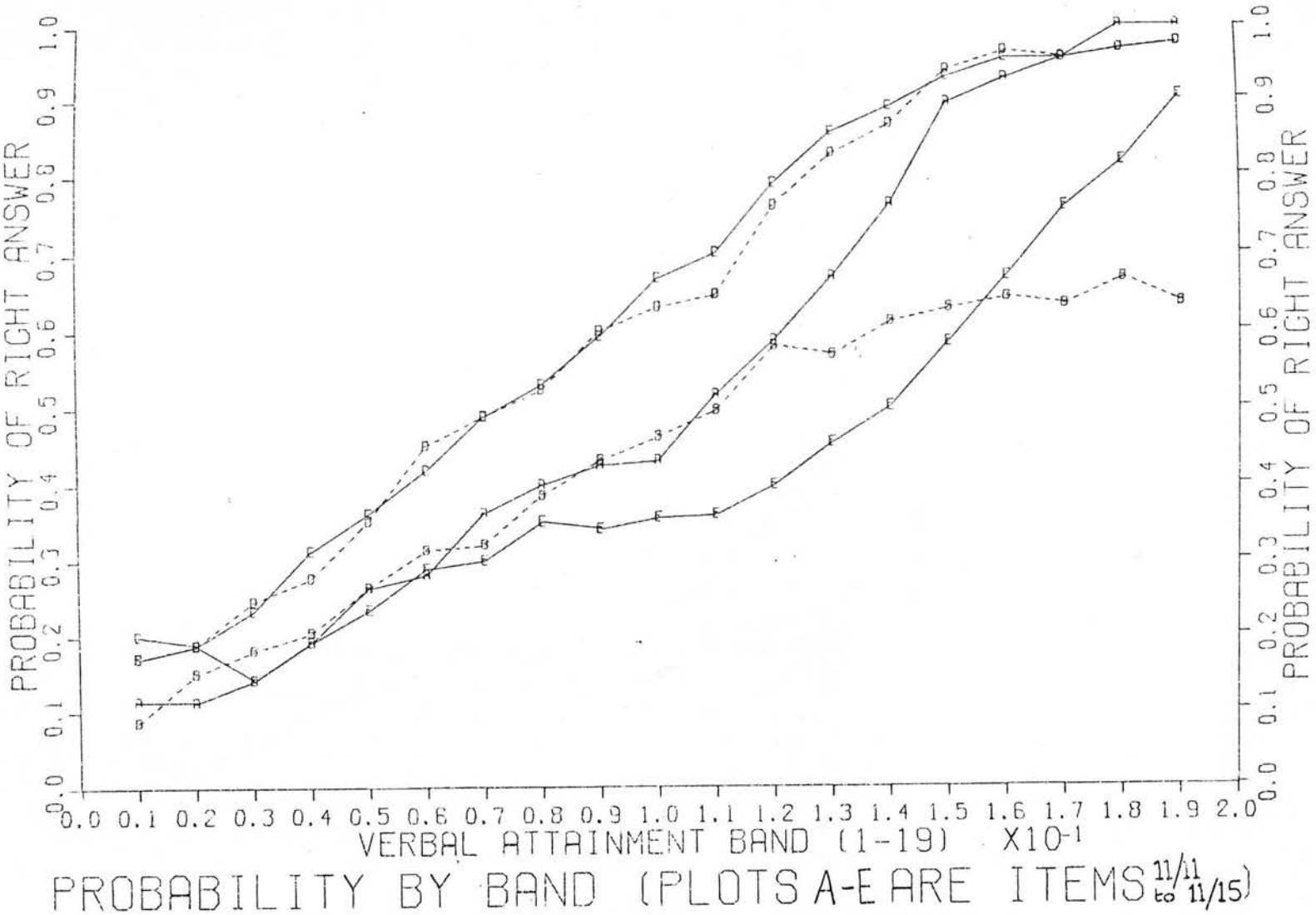
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 10/6 to 10/10)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 10/11 to 10/15)

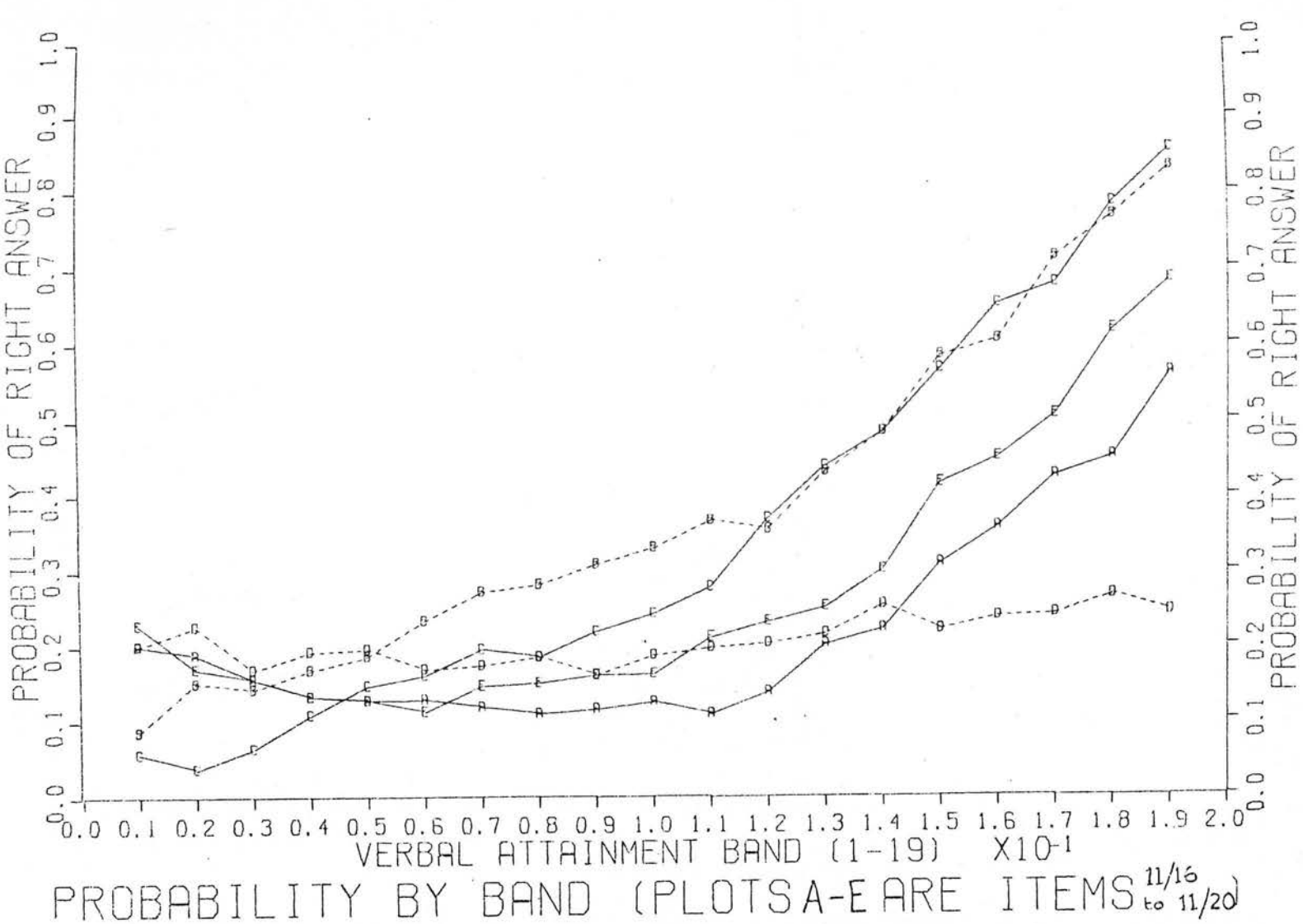

PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 10/16 to 10/20)

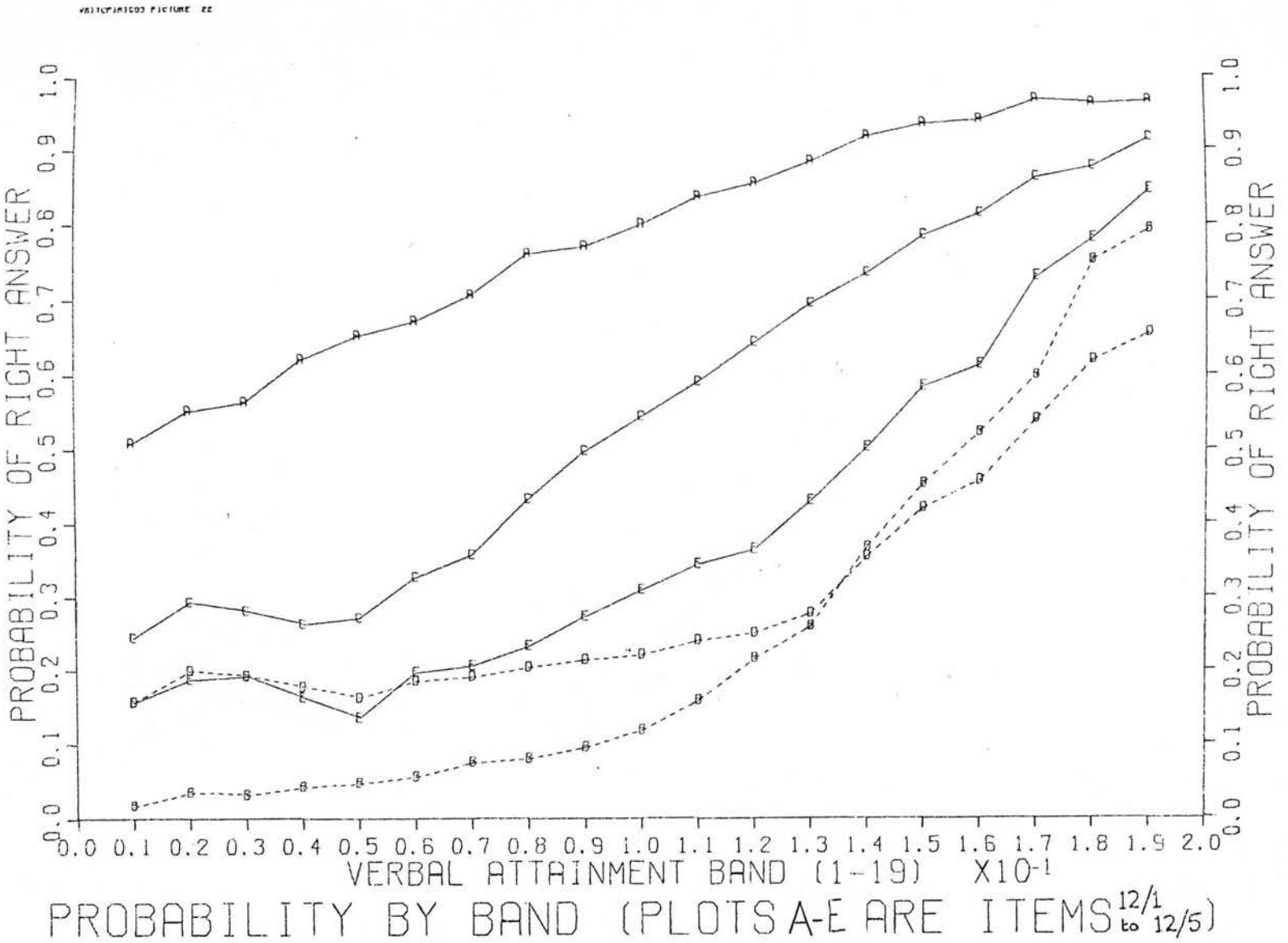

PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 11/1 to 11/5)

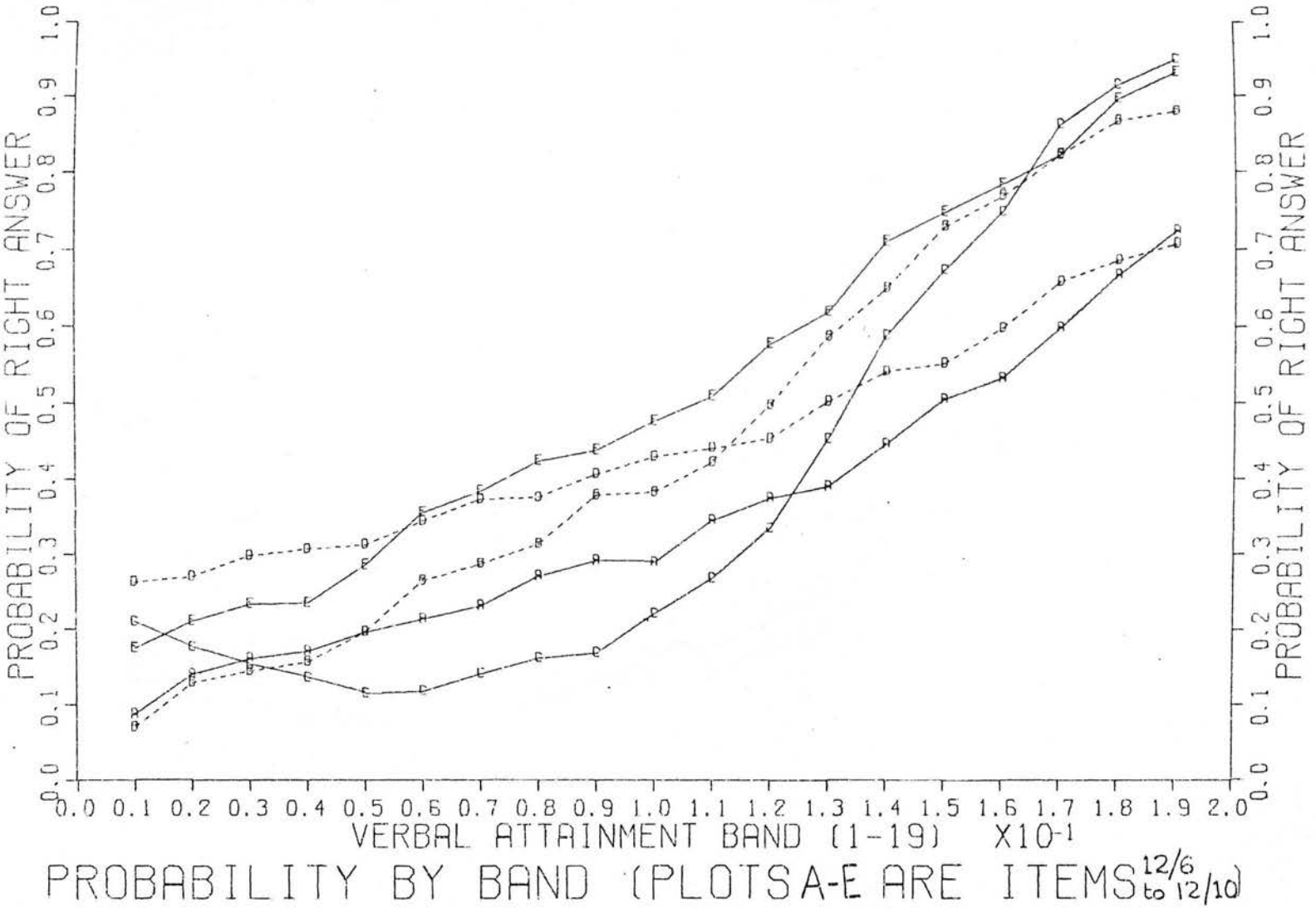

PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 11/6 to 11/10)



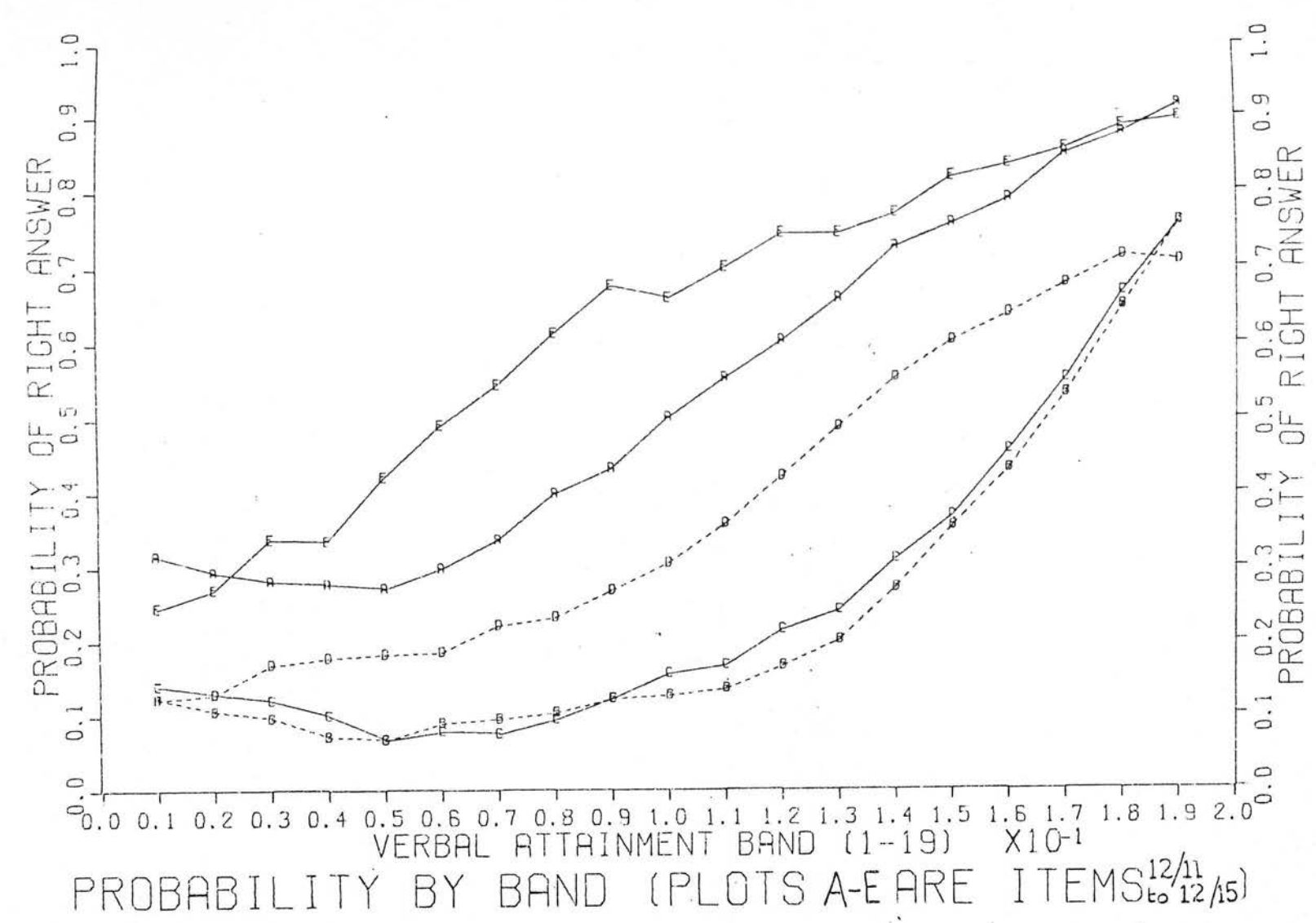
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 11/11 to 11/15)

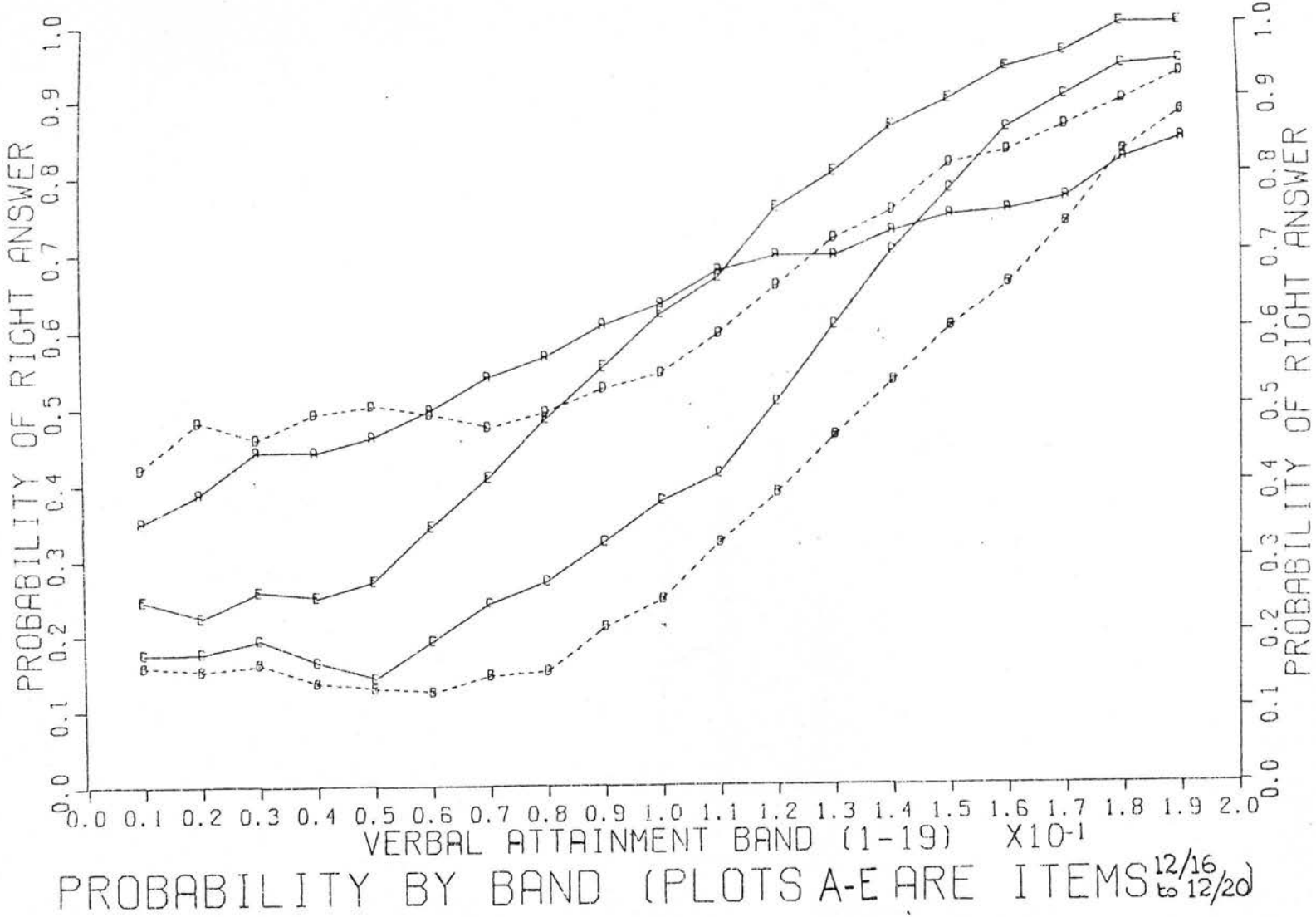

PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 11/16 to 11/20)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 12/1 to 12/5)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 12/6 to 12/10)


PROBABILITY OF RIGHT ANSWER
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
VERBAL ATTAINMENT BAND (1-19) X10-1
PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 12/11 to 12/15)



PROBABILITY BY BAND (PLOTS A-E ARE ITEMS 12/16 to 12/20)

ANNEX VIII

PROGRAM 3 (ICL FORTRAN)

evaluates item/population derived distributions and the Tail Location and Tail Discrimination indices.

(First referred to on p. 135)

```
      MASTER VBITAILB
      DIMENSION ANORM(19),SMOOTHP(20),SMAN(19),YNWRI(39),
     +YPER(4,2),YMEAN(4,2),YENTILE(4,2),TAILDIS(4,2)
   10 FORMAT(F6.5)
   11 FORMAT(24HANORM READ IN AS FOLLOWS/(F6.5))
   14 FORMAT(2I4/20F6.4)
   15 FORMAT(1H ,2I4,8F8.4/9X,9F8.4)
   16 FORMAT(1H ,2I4,2(1X,F5.4),I2,4(1X,F7.4,1X,F7.4,1X,F7.4))
   17 FORMAT(1H ,20X,I2,4(1X,F7.4,1X,F7.4,1X,F7.4))
   18 FORMAT(1H ,6HERROR ,4I6)
   19 FORMAT(1H ,2I4,I2,10F8.5/11X,11F8.5)

      ID0=0
      ID1=1
      YPER(1,1),YPER(1,2) = 0.0625
      YPER(2,1),YPER(2,2) = 0.125
      YPER(3,1),YPER(3,2) = 0.25
      YPER(4,1),YPER(4,2) = 0.5
      DO 2001 ICA=1,19
 2001 READ(1,10)ANORM(ICA)
      WRITE(2,11)ANORM
      DO 2002 ICB=1,12
      DO 2003 ICC=1,20
      READ(5,14)NOWPT,ITEM,SMOOTHP
      IF(100*ICB+ICC-100*NOWPT-ITEM)770,0,770
      PRIN=0.
      DO 2004 IC4=1,19
      W2004=SMOOTHP(IC4)*ANORM(IC4)
      PRIN=PRIN+W2004
      SMAN(IC4) = W2004
 2004 CONTINUE
```

```
      YNWRI(20) = PRIN
      OMPRIN =1.-PRIN
      SUMYN1,SUMYN2=0.
      DO 2005 IC5=1,19
      W5 = SMAN(IC5)
      W6 = (ANORM(IC5)-W5)/OMPRIN
      YNWRI(IC5)=W6
      SUMYN1=SUMYN1+W6
      YNWRI(IC5+20) = W5/PRIN
      SUMYN2=SUMYN2+W5/PRIN
 2005 CONTINUE
      WRITE(8,19)NOWPT,ITEM,ID0,(YNWRI(I),I=1,19),OMPRIN,SUMYN1
      WRITE(8,19)NOWPT,ITEM,ID1,(YNWRI(I),I=21,39),PRIN,SUMYN2
      CALL DOWNUPILE(YNWRI,YPER,YMEAN,YENTILE)
      DO 2006 IC6=1,4
      TAILDIS(IC6,1) =ABS(YENTILE(IC6,1)-YMEAN(IC6,1))
      TAILDIS(IC6,2) = ABS(YENTILE(IC6,2)-YMEAN(IC6,2))
 2006 CONTINUE
      WRITE(4,15)NOWPT,ITEM,((YENTILE(I,J),TAILDIS(I,J),I=1,4),J=1,2),PR
     +IN
      WRITE(6,16)NOWPT,ITEM,SMOOTHP(20),PRIN,ID0,
     +(YENTILE(I,1),YMEAN(I,1),TAILDIS(I,1),I=1,4)
      WRITE(6,17)ID1,(YENTILE(K,2),YMEAN(K,2),TAILDIS(K,2),K=1,4)
 2003 CONTINUE
 2002 CONTINUE
      GO TO 101
  770 WRITE(6,18)ICB,ICC,NOWPT,ITEM
  101 STOP
      END
```

```
      SUBROUTINE DOWNUPILE(UNWRI,PER,AMEAN,CENTILE)
      DIMENSION UNWRI(39),PER(4,2),AMEAN(4,2),CENTILE(4,2)
      DO 1001 ICA=1,2
      NEGPOS=2*ICA-3
      EPO=.5*NEGPOS
      IW=10-NEGPOS*10
      CUMP,PRIOR,SUM,SUMLAST = 0.
      JAB =1
      WPER = PER(1,ICA)
      DO 1002 ICB=1,19
      CURP = UNWRI(20+NEGPOS*ICB)
      PRIOR = CUMP
      CUMP = CUMP+CURP
      SUMLAST = SUM
      SUM = SUM+CURP*(IW+NEGPOS*ICB)
1012  IF(CUMP-WPER)1002,0,0
      IBAND = IW+NEGPOS*ICB
      WCENT = IBAND+NEGPOS*((WPER-PRIOR)/CURP-0.5)
      CENTILE(JAB,ICA) = WCENT
      WMEAN = (SUMLAST+0.5*(WPER-PRIOR)*(WCENT+IBAND-EPO))/WPER
      AMEAN(JAB,ICA) = WMEAN
      JAB = JAB+1
      IF(JAB-4)0,0,1001
      WPER = PER(JAB,ICA)
      GO TO 1012
1002  CONTINUE
1001  CONTINUE
      RETURN
      END
```

ANNEX IX

Item/population derived distributions by proportion.

Explanation

See next page.

ANNEX IX - EXPLANATION

This Annex gives the simple (not cumulative) item/ population derived distributions for the 240 pool items. It is first referred to on p. 136.

Each item record occupies four lines. The first two lines give the wrong-curve information, the last two the right-curve information. The first line of each pair starts with the test number and the item number. Then for the wrong-curve the next entry on the first line is 0, for the right-curve it is 1. Each pair of lines then contains twenty further values. The first 19 are the simple proportions of recruits falling at attainment bands 1 to 19. The 20th value - the last on the second line of each pair - is the overall proportion of recruits getting the item wrong or right as the case may be.

1	1	0	0.00000	0.04043	0.08842	0.13942	0.12558	0.14132	0.12195	0.08398	0.02793	0.02507
			0.00000	0.04061	0.03956	0.04023	0.04234	0.04278	0.00000	0.00000	0.00000	0.02561
1	1	1	0.02282	0.02974	0.03252	0.03884	0.04426	0.05011	0.05637	0.06252	0.07268	0.07175
			0.07574	0.07305	0.07541	0.06943	0.06716	0.06168	0.05261	0.03161	0.01171	0.97439
1	2	0	0.06727	0.08138	0.08671	0.07344	0.06229	0.07294	0.07929	0.06505	0.06491	0.06594
			0.06929	0.05028	0.04903	0.04375	0.03597	0.01651	0.00794	0.00632	0.00164	0.16531
1	2	1	0.01332	0.01984	0.02350	0.03508	0.04318	0.04839	0.05384	0.06268	0.07284	0.07146
			0.07469	0.07656	0.07953	0.07362	0.07257	0.07005	0.05984	0.03565	0.01334	0.83469
1	3	0	0.05726	0.07536	0.06992	0.06620	0.07670	0.08382	0.08267	0.08539	0.08051	0.05521
			0.04212	0.04815	0.04360	0.03760	0.03224	0.03618	0.01307	0.01036	0.00360	0.15105
1	3	1	0.01601	0.02194	0.02755	0.03701	0.04094	0.04687	0.05367	0.05910	0.06993	0.07328
			0.07944	0.07650	0.07999	0.07421	0.07262	0.06565	0.05806	0.03444	0.01280	0.84895
1	4	0	0.10077	0.13130	0.12306	0.11001	0.09331	0.08194	0.06223	0.04544	0.03889	0.05484
			0.02882	0.02827	0.03672	0.02807	0.02453	0.01980	0.01189	0.00000	0.00000	0.11035
1	4	1	0.01250	0.01745	0.02290	0.03291	0.04051	0.04879	0.05753	0.06526	0.07558	0.07498
			0.07938	0.07767	0.07917	0.07372	0.07173	0.06634	0.05614	0.03462	0.01283	0.88965
1	5	0	0.08546	0.09153	0.08993	0.09143	0.09092	0.08250	0.08542	0.08228	0.07579	0.06229
			0.05617	0.03899	0.03354	0.02508	0.01671	0.01205	0.00000	0.00000	0.00000	0.22651
1	5	1	0.00958	0.01204	0.01756	0.02677	0.03329	0.04365	0.05004	0.05744	0.07028	0.07297
			0.07896	0.08195	0.08648	0.08145	0.08111	0.07559	0.06627	0.03982	0.01475	0.77349
1	6	0	0.06380	0.08745	0.08500	0.09052	0.08763	0.08490	0.07911	0.07402	0.06380	0.06323
			0.05675	0.04391	0.04043	0.03395	0.02030	0.01281	0.00616	0.00490	0.00127	0.21301
1	6	1	0.01099	0.01446	0.02013	0.02813	0.03516	0.04367	0.05235	0.06011	0.07362	0.07253
			0.07841	0.07988	0.08371	0.07808	0.07903	0.07430	0.06347	0.03781	0.01415	0.78699
1	7	0	0.11989	0.16066	0.14638	0.11083	0.07490	0.09363	0.06060	0.04173	0.05552	0.04983
			0.01232	0.01009	0.01966	0.01000	0.01046	0.01057	0.01273	0.00000	0.00000	0.05153
1	7	1	0.01693	0.02291	0.02784	0.03765	0.04479	0.05021	0.05791	0.06423	0.07240	0.07168
			0.07714	0.07560	0.07747	0.07187	0.06957	0.06395	0.05335	0.03247	0.01203	0.94847
1	8	0	0.09658	0.10398	0.08424	0.09569	0.07187	0.06056	0.05575	0.07205	0.03994	0.05010
			0.04969	0.03218	0.03959	0.03459	0.03023	0.03048	0.01465	0.01166	0.00606	0.08955
1	8	1	0.01493	0.02273	0.02900	0.03608	0.04383	0.05165	0.05828	0.06219	0.07464	0.07256
			0.07617	0.07419	0.07792	0.07203	0.07009	0.06422	0.05486	0.03268	0.01194	0.91045
1	9	0	0.07375	0.10109	0.10236	0.09688	0.09780	0.09487	0.08131	0.06999	0.05434	0.04177
			0.02415	0.02536	0.02749	0.03082	0.02346	0.02670	0.01783	0.00849	0.00147	0.18427
1	9	1	0.01060	0.01395	0.01850	0.02889	0.03472	0.04287	0.05280	0.06151	0.07541	0.07705
			0.08509	0.08281	0.08511	0.07723	0.07625	0.06899	0.05881	0.03584	0.01365	0.81573

1	10	0	0.02526	0.03527	0.04242	0.05354	0.05703	0.06471	0.07020	0.07327	0.07922	0.08087	
			0.07913	0.07436	0.07166	0.06424	0.05252	0.03911	0.02239	0.01245	0.00231	0.58688	
1	10	1	0.01794	0.02254	0.02192	0.02420	0.03116	0.03503	0.04079	0.04858	0.06060	0.05589	
			0.06622	0.06917	0.07851	0.07499	0.08640	0.09259	0.09227	0.05686	0.02433	0.41312	
1	11	0	0.12591	0.14763	0.10765	0.10188	0.06554	0.04917	0.02543	0.04383	0.01458	0.05233	
			0.06482	0.06358	0.08161	0.05263	0.02210	0.01110	0.00000	0.00000	0.00000	0.04907	
1	11	1	0.01689	0.02394	0.03015	0.03830	0.04535	0.05262	0.05973	0.06406	0.07447	0.07149	
			0.07426	0.07247	0.07567	0.06951	0.06881	0.06379	0.05391	0.03239	0.01200	0.95093	
1	12	0	0.03399	0.04509	0.05429	0.06197	0.06675	0.07401	0.07794	0.07888	0.08478	0.08145	
			0.07675	0.06817	0.06650	0.05137	0.03777	0.02544	0.01113	0.00221	0.00057	0.47249	
1	12	1	0.01171	0.01570	0.01573	0.02301	0.02806	0.03314	0.04023	0.04891	0.05966	0.06079	
			0.07115	0.07585	0.08165	0.08418	0.09227	0.09323	0.08720	0.05641	0.02112	0.52751	
1	13	0	0.07184	0.08166	0.08460	0.08601	0.08553	0.08763	0.08035	0.07740	0.08615	0.06926	
			0.05548	0.04748	0.04210	0.02145	0.01348	0.00681	0.00272	0.00000	0.00000	0.24079	
1	13	1	0.00651	0.01363	0.01789	0.02728	0.03391	0.04129	0.05098	0.05852	0.06689	0.07096	
			0.07961	0.08007	0.08476	0.08366	0.08334	0.07845	0.06665	0.04057	0.01503	0.75921	
1	14	0	0.03162	0.04414	0.03861	0.04417	0.04667	0.05272	0.05458	0.06878	0.08085	0.07660	
			0.07599	0.07202	0.07241	0.05947	0.03767	0.05128	0.04204	0.02227	0.00811	0.46891	
1	14	1	0.01396	0.01753	0.02983	0.03900	0.04605	0.05221	0.06111	0.05802	0.06330	0.06521	
			0.07187	0.07240	0.07633	0.07682	0.07434	0.06996	0.05940	0.03833	0.01432	0.53109	
1	15	0	0.13723	0.13791	0.11730	0.08726	0.08579	0.08702	0.07627	0.07165	0.05561	0.04270	
			0.01410	0.02310	0.02250	0.01724	0.01204	0.01217	0.00000	0.00000	0.00000	0.09004	
1	15	1	0.01086	0.01933	0.02570	0.03688	0.04244	0.04903	0.05625	0.06222	0.07311	0.07331	
			0.07971	0.07708	0.07963	0.07377	0.07191	0.06605	0.05633	0.03385	0.01254	0.90996	
1	16	0	0.15983	0.13536	0.15767	0.12081	0.09606	0.07198	0.04968	0.03565	0.02847	0.01917	
			0.01203	0.01552	0.01512	0.01025	0.01079	0.01090	0.00000	0.00000	0.00000	0.10049	
1	16	1	0.00687	0.01265	0.02013	0.03255	0.04079	0.05027	0.05899	0.06613	0.07634	0.07629	
			0.08063	0.07855	0.08112	0.07521	0.07275	0.06682	0.05699	0.03424	0.01268	0.89951	
1	17	0	0.03347	0.04298	0.04633	0.05546	0.05811	0.06641	0.07440	0.07896	0.08267	0.08108	
			0.07927	0.06756	0.06681	0.05595	0.04590	0.03256	0.02017	0.00943	0.00245	0.55373	
1	17	1	0.00831	0.01391	0.01859	0.02400	0.03173	0.03513	0.03776	0.04336	0.05770	0.05748	
			0.06701	0.07800	0.08403	0.08447	0.09210	0.09674	0.08983	0.05732	0.02252	0.44627	

1	18	0	0.03290	0.04526	0.05022	0.06112	0.07099	0.08023	0.08903	0.09541	0.08978	0.08416	
			0.07863	0.06422	0.05686	0.04812	0.03292	0.01663	0.00250	0.00099	0.00000	0.52585	
1	18	1	0.01042	0.01310	0.01591	0.01958	0.01900	0.02161	0.02369	0.02720	0.05129	0.05546	
			0.06844	0.08109	0.09404	0.09149	0.10379	0.11063	0.10534	0.06386	0.02406	0.47415	
1	19	0	0.05250	0.06595	0.06678	0.08344	0.09342	0.08965	0.08620	0.08880	0.07091	0.05905	
			0.05181	0.04965	0.04845	0.04022	0.02680	0.01935	0.00699	0.00000	0.00000	0.28245	
1	19	1	0.01033	0.01586	0.02103	0.02488	0.02781	0.03781	0.04697	0.05294	0.07177	0.07508	
			0.08245	0.08110	0.08474	0.07988	0.08215	0.07767	0.06869	0.04292	0.01590	0.71755	
1	20	0	0.03103	0.03898	0.04145	0.05380	0.05758	0.06151	0.06368	0.06862	0.07410	0.06846	
			0.06990	0.07177	0.07158	0.06241	0.06112	0.04888	0.03197	0.01803	0.00512	0.63711	
1	20	1	0.00681	0.01426	0.02079	0.01968	0.02660	0.03655	0.04817	0.05332	0.06702	0.07423	
			0.08065	0.07302	0.07960	0.07970	0.07600	0.08282	0.08512	0.05322	0.02246	0.36289	
2	1	0	0.10150	0.11640	0.10054	0.08724	0.08888	0.07630	0.05537	0.05945	0.05287	0.03806	
			0.02276	0.03816	0.04230	0.04209	0.03704	0.02860	0.01226	0.00000	0.00000	0.09823	
2	1	1	0.01361	0.02060	0.02670	0.03643	0.04171	0.04985	0.05834	0.06346	0.07356	0.07409	
			0.07936	0.07593	0.07790	0.07158	0.06973	0.06475	0.05551	0.03416	0.01265	0.90177	
2	2	0	0.09821	0.09148	0.07905	0.09146	0.08164	0.04796	0.07747	0.07480	0.05918	0.04102	
			0.04291	0.02738	0.04007	0.03976	0.03987	0.04311	0.03086	0.01515	0.00836	0.03904	
2	2	1	0.01915	0.02751	0.03212	0.03939	0.04612	0.05263	0.05726	0.06259	0.07203	0.07175	
			0.07505	0.07404	0.07589	0.06985	0.06760	0.06193	0.05209	0.03144	0.01153	0.96096	
2	3	0	0.09275	0.10437	0.09762	0.09302	0.06872	0.06392	0.06189	0.07064	0.07513	0.05467	
			0.06241	0.04978	0.03874	0.02402	0.02420	0.01042	0.00563	0.00000	0.00000	0.10750	
2	3	1	0.01375	0.02081	0.02628	0.03521	0.04365	0.05107	0.05759	0.06216	0.07110	0.07246	
			0.07517	0.07492	0.07880	0.07406	0.07162	0.06732	0.05676	0.03451	0.01278	0.89250	
2	4	0	0.06503	0.08909	0.08929	0.10685	0.10585	0.10902	0.09048	0.08157	0.07482	0.04800	
			0.03346	0.02660	0.02597	0.01545	0.01556	0.01120	0.00903	0.00295	0.00163	0.20048	
2	4	1	0.01151	0.01519	0.02007	0.02501	0.03192	0.03827	0.04992	0.05843	0.07071	0.07620	
			0.08392	0.08364	0.08666	0.08203	0.07930	0.07374	0.06185	0.03778	0.01386	0.79952	
2	5	0	0.08638	0.10166	0.09880	0.11855	0.11148	0.10363	0.09319	0.08656	0.07183	0.04437	
			0.02984	0.01901	0.01546	0.00611	0.00615	0.00334	0.00359	0.00000	0.00000	0.16869	
2	5	1	0.00922	0.01547	0.02079	0.02577	0.03312	0.04206	0.05092	0.05830	0.07147	0.07586	
			0.08272	0.08302	0.08647	0.08138	0.07877	0.07294	0.06093	0.03705	0.01373	0.83131	

2	6	0	0.05100	0.03971	0.04575	0.05653	0.06108	0.07046	0.07944	0.08164	0.08745	0.08372
			0.08193	0.07119	0.06581	0.05132	0.03851	0.02743	0.01829	0.00599	0.00275	0.59370
2	6	1	0.00944	0.01583	0.01671	0.01934	0.02480	0.02613	0.02679	0.03594	0.04827	0.05131
			0.06192	0.07373	0.08718	0.09405	0.10745	0.11055	0.09944	0.06706	0.02407	0.40630
2	7	0	0.06972	0.09096	0.08981	0.11256	0.10992	0.09840	0.08797	0.08495	0.07345	0.05508
			0.04406	0.03244	0.02213	0.01565	0.00944	0.00341	0.00000	0.00000	0.00000	0.16497
2	7	1	0.01286	0.01797	0.02291	0.02737	0.03378	0.04337	0.05214	0.05875	0.07115	0.07361
			0.07967	0.08008	0.08484	0.07916	0.07780	0.07262	0.06139	0.03688	0.01366	0.83503
2	8	0	0.11292	0.12858	0.12119	0.13437	0.09340	0.08173	0.06429	0.06686	0.06132	0.04807
			0.02288	0.01740	0.00427	0.00000	0.00849	0.00916	0.00985	0.00970	0.00533	0.12225
2	8	1	0.00961	0.01628	0.02180	0.02847	0.03979	0.04837	0.05718	0.06254	0.07295	0.07368
			0.08089	0.07984	0.08427	0.07825	0.07460	0.06845	0.05703	0.03374	0.01226	0.87775
2	9	0	0.03849	0.04980	0.06024	0.06770	0.07490	0.08878	0.09441	0.09281	0.10455	0.08940
			0.07015	0.05668	0.04503	0.02736	0.01884	0.01409	0.00673	0.00000	0.00000	0.35866
2	9	1	0.01315	0.01894	0.01925	0.02672	0.03037	0.03213	0.03772	0.04644	0.05307	0.06001
			0.07584	0.08091	0.09097	0.09179	0.09318	0.08754	0.07616	0.04802	0.01779	0.64134
2	10	0	0.02328	0.03133	0.03608	0.04335	0.04907	0.05615	0.06253	0.06762	0.07652	0.07329
			0.07667	0.07397	0.07378	0.06617	0.06251	0.05428	0.04203	0.02330	0.00806	0.88959
2	10	1	0.01390	0.01941	0.01676	0.02588	0.02434	0.02261	0.02192	0.02645	0.03136	0.04843
			0.05066	0.05815	0.08022	0.08889	0.09887	0.11695	0.12563	0.09119	0.03838	0.11041
2	11	0	0.13023	0.12893	0.12450	0.10612	0.07840	0.07293	0.06420	0.06199	0.06734	0.03969
			0.02969	0.02836	0.02214	0.01647	0.01652	0.00598	0.00642	0.00000	0.00000	0.09422
2	11	1	0.01101	0.01972	0.02453	0.03469	0.04301	0.05032	0.05741	0.06318	0.07197	0.07376
			0.07839	0.07678	0.07994	0.07411	0.07172	0.06694	0.05592	0.03400	0.01260	0.90578
2	12	0	0.11523	0.12781	0.13691	0.12774	0.10090	0.07596	0.06056	0.04599	0.05779	0.04205
			0.03601	0.03064	0.01866	0.00737	0.00371	0.00403	0.00433	0.00423	0.00000	0.13975
2	12	1	0.00713	0.01413	0.01722	0.02740	0.03748	0.04863	0.05764	0.06585	0.07376	0.07518
			0.07994	0.07897	0.08356	0.07864	0.07672	0.07049	0.05888	0.03512	0.01326	0.86025
2	13	0	0.10638	0.12616	0.12455	0.12609	0.09315	0.07874	0.06863	0.05524	0.06184	0.04720
			0.03527	0.02700	0.02302	0.00979	0.00981	0.00706	0.00000	0.00000	0.00000	0.15859
2	13	1	0.00638	0.01139	0.01687	0.02546	0.03752	0.04749	0.05606	0.06455	0.07336	0.07495
			0.08106	0.08074	0.08419	0.07978	0.07721	0.07140	0.06092	0.03661	0.01356	0.84141

2	14	0	0.08462	0.09958	0.09320	0.08710	0.07021	0.08340	0.07727	0.08139	0.08038	0.07449	
			0.05194	0.03729	0.02721	0.02098	0.01205	0.00650	0.00700	0.00343	0.00190	0.17219	
2	14	1	0.00926	0.01554	0.02163	0.03192	0.04137	0.04601	0.05405	0.05926	0.06969	0.06973	
			0.07835	0.07949	0.08432	0.07860	0.07785	0.07258	0.06047	0.03649	0.01339	0.82781	
2	15	0	0.03405	0.04381	0.04698	0.05133	0.05679	0.06600	0.06648	0.07038	0.08416	0.07571	
			0.07447	0.06559	0.04277	0.05132	0.04945	0.03680	0.03570	0.02129	0.00689	0.47299	
2	15	1	0.01164	0.01762	0.02226	0.03252	0.03696	0.04029	0.05048	0.05651	0.06020	0.06592	
			0.07320	0.07817	0.08500	0.08427	0.08184	0.08310	0.06523	0.03934	0.01546	0.52701	
2	16	0	0.03648	0.04631	0.05255	0.05901	0.06726	0.05785	0.06359	0.06580	0.07366	0.06423	
			0.06859	0.07367	0.04781	0.06206	0.05465	0.04779	0.02415	0.01186	0.00245	0.39940	
2	16	1	0.01277	0.01904	0.02158	0.02972	0.03243	0.04886	0.05437	0.06125	0.07011	0.07475	
			0.07726	0.07126	0.07893	0.07308	0.07442	0.07012	0.06928	0.04339	0.01737	0.60060	
2	17	0	0.02358	0.03126	0.03576	0.04222	0.04685	0.05315	0.05862	0.06490	0.07366	0.07393	
			0.07601	0.07400	0.07391	0.06593	0.06329	0.05775	0.04706	0.02731	0.01079	0.84582	
2	17	1	0.01492	0.02316	0.02402	0.03705	0.04355	0.04861	0.05490	0.05302	0.05985	0.05198	
			0.06165	0.06244	0.07760	0.08375	0.08426	0.08010	0.07431	0.04994	0.01480	0.15418	
2	18	0	0.02636	0.03458	0.03819	0.04713	0.05448	0.06180	0.06817	0.07306	0.08168	0.07862	
			0.07840	0.07575	0.07305	0.06248	0.05215	0.04323	0.03068	0.01547	0.00493	0.72740	
2	18	1	0.01125	0.01835	0.02264	0.02620	0.02463	0.02749	0.03105	0.03642	0.04445	0.04902	
			0.06154	0.06279	0.07854	0.08523	0.10486	0.10915	0.10619	0.07170	0.02870	0.27260	
2	19	0	0.02384	0.03332	0.03758	0.04811	0.05307	0.05986	0.06580	0.07111	0.07771	0.07615	
			0.08111	0.07415	0.07153	0.06421	0.05587	0.04436	0.03594	0.01995	0.00633	0.77200	
2	19	1	0.01682	0.01881	0.02167	0.01878	0.02356	0.02738	0.03183	0.03585	0.05060	0.05158	
			0.04904	0.06569	0.08452	0.08380	0.10258	0.11821	0.10315	0.06754	0.02859	0.22800	
2	20	0	0.03413	0.04701	0.05255	0.06633	0.07017	0.07612	0.08541	0.08588	0.08930	0.08480	
			0.07681	0.05900	0.05241	0.04197	0.03017	0.02282	0.01634	0.00688	0.00189	0.51681	
2	20	1	0.00952	0.01183	0.01405	0.01478	0.02085	0.02714	0.02879	0.03868	0.05252	0.05531	
			0.07058	0.08636	0.09811	0.09725	0.10540	0.10225	0.08861	0.05639	0.02159	0.48319	
3	1	0	0.02875	0.04751	0.04830	0.06297	0.06489	0.07430	0.07111	0.07211	0.07156	0.06418	
			0.06668	0.06063	0.06292	0.05498	0.05783	0.04114	0.02871	0.01568	0.00564	0.17852	
3	1	1	0.02082	0.02621	0.05083	0.03674	0.04231	0.04770	0.05521	0.06111	0.07152	0.07193	
			0.07535	0.07473	0.07700	0.07166	0.06841	0.06556	0.05616	0.03409	0.01266	0.82148	

3	2	0	0.10765	0.13000	0.13567	0.14276	0.12759	0.09484	0.06978	0.04723	0.04021	0.03160
			0.03120	0.01263	0.00617	0.00000	0.00000	0.00642	0.00672	0.00588	0.00352	0.09534
3	2	1	0.01324	0.01947	0.02323	0.03074	0.03778	0.04798	0.05681	0.06474	0.07483	0.07466
			0.07829	0.07850	0.08169	0.07592	0.07353	0.06697	0.05595	0.03343	0.01224	0.90466
3	3	0	0.14327	0.13109	0.12635	0.07923	0.05821	0.06062	0.04045	0.02155	0.02133	0.02009
			0.00000	0.02008	0.01971	0.05798	0.05771	0.06150	0.04293	0.03756	0.00000	0.02985
3	3	1	0.01852	0.02690	0.03111	0.04026	0.04597	0.05220	0.05859	0.06435	0.07307	0.07210
			0.07607	0.07382	0.07618	0.06901	0.06679	0.06119	0.05152	0.03059	0.01176	0.97015
3	4	0	0.03342	0.04287	0.04115	0.04729	0.05452	0.05568	0.05692	0.06857	0.07486	0.07389
			0.07822	0.07802	0.07455	0.06457	0.05398	0.04674	0.03186	0.01691	0.00596	0.56307
3	4	1	0.00783	0.01344	0.02467	0.03385	0.03579	0.04829	0.05951	0.05598	0.06724	0.06625
			0.06810	0.06474	0.07442	0.07397	0.08268	0.07984	0.07626	0.04870	0.01843	0.43693
3	5	0	0.06287	0.07504	0.08094	0.10022	0.09811	0.09826	0.10049	0.09256	0.08163	0.06552
			0.05516	0.03077	0.02457	0.01291	0.00916	0.00587	0.00410	0.00179	0.00000	0.31291
3	5	1	0.00374	0.00950	0.01255	0.01464	0.02276	0.03159	0.03872	0.04964	0.06693	0.07284
			0.08229	0.09110	0.09723	0.09408	0.09264	0.08640	0.07274	0.04401	0.01661	0.68709
3	6	0	0.04186	0.05620	0.06436	0.07414	0.08052	0.08498	0.08642	0.08568	0.08877	0.07909
			0.07341	0.05892	0.04977	0.03390	0.02133	0.01458	0.00627	0.00000	0.00000	0.51080
3	6	1	0.00175	0.00267	0.00220	0.00726	0.01066	0.01848	0.02843	0.03946	0.05353	0.06164
			0.07421	0.08611	0.10030	0.10500	0.11370	0.11009	0.09823	0.06296	0.02332	0.48920
3	7	0	0.08399	0.10979	0.11337	0.10788	0.09749	0.10994	0.08056	0.06320	0.05824	0.04651
			0.03338	0.02532	0.02487	0.02023	0.01208	0.00858	0.00449	0.00000	0.00000	0.14260
3	7	1	0.01197	0.01674	0.02074	0.03037	0.03783	0.04289	0.05431	0.06305	0.07374	0.07455
			0.08052	0.08002	0.08274	0.07674	0.07557	0.06995	0.05904	0.03592	0.01331	0.85740
3	8	0	0.02706	0.05734	0.04221	0.05169	0.05671	0.06265	0.06739	0.07076	0.07888	0.07992
			0.07889	0.07433	0.07480	0.06345	0.05010	0.04148	0.02799	0.01181	0.00253	0.66392
3	8	1	0.01273	0.01553	0.01764	0.02112	0.02585	0.03229	0.03959	0.04787	0.05702	0.05204
			0.06375	0.06806	0.07387	0.07900	0.09897	0.10016	0.09723	0.06832	0.02896	0.33608
3	9	0	0.02484	0.02978	0.03429	0.03928	0.04326	0.05419	0.06105	0.06853	0.08126	0.08257
			0.08313	0.08240	0.07931	0.07024	0.06028	0.04825	0.03456	0.01859	0.00418	0.72305
3	9	1	0.01544	0.03062	0.03307	0.04701	0.05438	0.04790	0.05022	0.04880	0.04613	0.03918
			0.04943	0.04563	0.06192	0.06460	0.08282	0.09502	0.09486	0.06268	0.03029	0.27695

3	10	0	0.09230	0.09263	0.09488	0.09409	0.09211	0.08561	0.07210	0.05849	0.06166	0.04796
			0.03718	0.03416	0.03350	0.02293	0.02278	0.02085	0.01819	0.01272	0.00572	0.17609
3	10	1	0.00727	0.01663	0.02093	0.03016	0.03656	0.04536	0.05505	0.06405	0.07364	0.07538
			0.08163	0.08035	0.08323	0.07846	0.07587	0.06982	0.05833	0.03466	0.01263	0.82391
3	11	0	0.05350	0.10204	0.08432	0.07398	0.07248	0.09434	0.09461	0.10062	0.09979	0.09423
			0.07457	0.01875	0.01841	0.01805	0.00000	0.00000	0.00000	0.00000	0.00000	0.03197
3	11	1	0.02121	0.02763	0.03220	0.04034	0.04548	0.05107	0.05684	0.06183	0.07060	0.06977
			0.07377	0.07399	0.07634	0.07035	0.06872	0.06322	0.05295	0.03182	0.01179	0.96803
3	12	0	0.04588	0.05948	0.06504	0.07617	0.07923	0.08731	0.09406	0.09147	0.08907	0.07600
			0.06225	0.04034	0.03488	0.02632	0.02307	0.02134	0.01547	0.00901	0.00360	0.37288
3	12	1	0.00819	0.01249	0.01547	0.02076	0.02679	0.03172	0.03664	0.04618	0.06110	0.06731
			0.08067	0.09117	0.09804	0.09387	0.09236	0.08490	0.07254	0.04376	0.01605	0.62712
3	13	0	0.06481	0.07805	0.07522	0.09674	0.09240	0.08414	0.08440	0.09238	0.07131	0.06732
			0.06171	0.04320	0.03065	0.02531	0.01143	0.01220	0.00511	0.00224	0.00134	0.25077
3	13	1	0.00799	0.01393	0.02014	0.02290	0.03093	0.04184	0.04923	0.05326	0.07160	0.07163
			0.07785	0.08193	0.08916	0.08320	0.08496	0.07760	0.06671	0.04036	0.01478	0.74923
3	14	0	0.05630	0.06709	0.07093	0.07788	0.08340	0.08432	0.07959	0.07942	0.07356	0.06698
			0.06120	0.04703	0.04379	0.03800	0.02359	0.02014	0.01845	0.00691	0.00138	0.24310
3	14	1	0.01130	0.01810	0.02207	0.02971	0.03444	0.04221	0.05113	0.05782	0.07088	0.07170
			0.07785	0.08031	0.08435	0.07853	0.08031	0.07439	0.06180	0.03847	0.01463	0.75690
3	15	0	0.10554	0.11707	0.10879	0.09956	0.11694	0.10142	0.07461	0.06494	0.06450	0.02706
			0.02003	0.02697	0.02648	0.01941	0.01283	0.01373	0.00000	0.00000	0.00000	0.08916
3	15	1	0.01409	0.02149	0.02662	0.03573	0.03943	0.04766	0.05643	0.06289	0.07222	0.07481
			0.07906	0.07665	0.07919	0.07350	0.07178	0.06585	0.05628	0.03381	0.01253	0.91084
3	16	0	0.07752	0.09550	0.08641	0.07837	0.07672	0.08406	0.05900	0.07629	0.08013	0.07146
			0.05392	0.04617	0.03708	0.02011	0.01600	0.01707	0.01787	0.00391	0.00234	0.14344
3	16	1	0.01298	0.01904	0.02516	0.03523	0.04125	0.04716	0.05789	0.06086	0.07009	0.07040
			0.07713	0.07658	0.08076	0.07681	0.07498	0.06859	0.05685	0.03530	0.01293	0.85656
3	17	0	0.02985	0.04038	0.04578	0.05565	0.06239	0.06402	0.06605	0.07127	0.08042	0.07409
			0.07855	0.07212	0.06816	0.05428	0.04959	0.03899	0.02916	0.01444	0.00458	0.65918
3	17	1	0.00753	0.00957	0.01107	0.01389	0.01530	0.03007	0.04258	0.04721	0.05434	0.06369
			0.06462	0.07241	0.08673	0.09653	0.09927	0.10415	0.09400	0.06244	0.02462	0.34082

3	18	0	0.02947	0.04086	0.04641	0.05745	0.06531	0.07175	0.07480	0.07961	0.08601	0.07837
			0.07362	0.06691	0.06295	0.04700	0.04131	0.03642	0.02508	0.01140	0.00525	0.63862
3	18	1	0.00947	0.01083	0.01193	0.01310	0.01282	0.01835	0.02845	0.03384	0.04594	0.05673
			0.07411	0.08160	0.09488	0.10700	0.11107	0.10500	0.09752	0.06508	0.02229	0.36138
3	19	0	0.04144	0.05373	0.05613	0.06737	0.07157	0.07887	0.07324	0.07951	0.07891	0.07450
			0.07066	0.06853	0.06150	0.05033	0.03473	0.02372	0.01242	0.00272	0.00000	0.41278
3	19	1	0.00874	0.01333	0.01836	0.02318	0.02861	0.03388	0.04737	0.05151	0.06634	0.06777
			0.07601	0.07481	0.08356	0.08158	0.08887	0.08755	0.07856	0.05054	0.01943	0.58722
3	20	0	0.05113	0.06716	0.06622	0.07663	0.08464	0.08410	0.07831	0.08977	0.08908	0.07610
			0.06522	0.04996	0.03731	0.03068	0.01904	0.01626	0.01277	0.00557	0.00000	0.30111
3	20	1	0.00979	0.01400	0.02005	0.02625	0.02984	0.03881	0.04932	0.05156	0.06397	0.06816
			0.07750	0.08181	0.09051	0.08505	0.08697	0.08056	0.06784	0.04167	0.01633	0.69889
4	1	0	0.05621	0.07076	0.06005	0.07581	0.05442	0.05493	0.06460	0.07356	0.06326	0.07144
			0.06823	0.03743	0.04697	0.03083	0.04639	0.04047	0.04691	0.02374	0.01386	0.07485
4	1	1	0.01949	0.02671	0.03184	0.03864	0.04569	0.05225	0.05752	0.06222	0.07220	0.07048
			0.07425	0.07503	0.07672	0.07174	0.06815	0.06288	0.05161	0.03137	0.01121	0.92515
4	2	0	0.06188	0.07068	0.05993	0.04867	0.06113	0.05290	0.06642	0.07725	0.07215	0.05506
			0.07786	0.06727	0.06031	0.05938	0.04964	0.03118	0.01205	0.01014	0.00593	0.05830
4	2	1	0.01979	0.02749	0.03234	0.04097	0.04542	0.05242	0.05753	0.06219	0.07149	0.07151
			0.07355	0.07253	0.07537	0.06926	0.06757	0.06306	0.05369	0.03208	0.01175	0.94170
4	3	0	0.07801	0.07659	0.08103	0.05524	0.05782	0.05004	0.07064	0.07306	0.10236	0.08676
			0.08286	0.06362	0.04762	0.00936	0.01878	0.01966	0.01139	0.00959	0.00561	0.06164
4	3	1	0.01858	0.02696	0.03086	0.04051	0.04559	0.05261	0.05722	0.06241	0.06951	0.06949
			0.07321	0.07278	0.07626	0.07258	0.06966	0.06393	0.05388	0.03219	0.01179	0.93836
4	4	0	0.02522	0.03615	0.04189	0.05271	0.05799	0.06780	0.07030	0.07500	0.08196	0.07767
			0.07740	0.07297	0.06855	0.05621	0.04854	0.03903	0.02841	0.01598	0.00622	0.66742
4	4	1	0.01626	0.01770	0.01802	0.01877	0.02296	0.02165	0.03346	0.03912	0.05061	0.05626
			0.06657	0.07071	0.08641	0.09371	0.10261	0.10568	0.09712	0.06055	0.02183	0.35258
4	5	0	0.05904	0.07766	0.07667	0.08359	0.08596	0.09154	0.08909	0.09218	0.09364	0.07873
			0.06272	0.04296	0.03240	0.01948	0.01066	0.00372	0.00000	0.00000	0.00000	0.32581
4	5	1	0.00446	0.00698	0.01333	0.02104	0.02719	0.03356	0.04305	0.04900	0.06085	0.06660
			0.07915	0.08636	0.09483	0.09246	0.09352	0.08898	0.07603	0.04568	0.01692	0.67419

4	6	0	0.04756	0.06158	0.06882	0.07965	0.07929	0.08401	0.08643	0.08305	0.08592	0.07639
			0.06665	0.04716	0.04341	0.03389	0.02362	0.01547	0.01255	0.00454	0.00000	0.39177
4	6	1	0.00593	0.00968	0.01149	0.01679	0.02512	0.03212	0.03977	0.05020	0.06226	0.06679
			0.07841	0.08836	0.09451	0.09109	0.09415	0.09066	0.07619	0.04772	0.01876	0.60823
4	7	0	0.11893	0.13098	0.12349	0.10293	0.07977	0.07209	0.07576	0.07431	0.06505	0.05287
			0.04210	0.02310	0.01449	0.01427	0.00477	0.00500	0.00000	0.00000	0.00000	0.12129
4	7	1	0.00889	0.01607	0.02150	0.03293	0.04173	0.04974	0.05561	0.06152	0.07242	0.07299
			0.07817	0.07900	0.08277	0.07619	0.07504	0.06896	0.05834	0.03505	0.01298	0.87871
4	8	0	0.02422	0.03305	0.03880	0.04981	0.05644	0.06512	0.07102	0.07708	0.08629	0.07770
			0.07680	0.07091	0.06415	0.05482	0.05328	0.04360	0.03133	0.01961	0.00597	0.69482
4	8	1	0.01772	0.02314	0.02291	0.02231	0.02335	0.02360	0.02856	0.03116	0.03792	0.05428
			0.06696	0.07521	0.09802	0.10024	0.09667	0.10127	0.09663	0.05628	0.02379	0.30518
4	9	0	0.02524	0.03475	0.03997	0.04989	0.05480	0.06208	0.06475	0.06897	0.07385	0.07294
			0.07673	0.07347	0.07235	0.06438	0.05845	0.04612	0.03501	0.01943	0.00681	0.76205
4	9	1	0.01263	0.01483	0.01468	0.01431	0.01926	0.02160	0.03659	0.04418	0.06409	0.06288
			0.06442	0.06823	0.08133	0.08246	0.09236	0.10949	0.10329	0.06720	0.02616	0.23795
4	10	0	0.02724	0.03441	0.03869	0.04811	0.05435	0.06165	0.06578	0.07245	0.07921	0.07736
			0.07470	0.07367	0.06774	0.06159	0.05158	0.04696	0.03491	0.02252	0.00708	0.68398
4	10	1	0.01141	0.02048	0.02370	0.02693	0.02900	0.03255	0.04133	0.04277	0.05491	0.05581
			0.07186	0.06903	0.08910	0.08402	0.09885	0.09203	0.08665	0.04873	0.02079	0.31602
4	11	0	0.16447	0.16096	0.17071	0.07764	0.06975	0.07033	0.06632	0.03409	0.03621	0.03668
			0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04804	0.04046	0.02365	0.01462
4	11	1	0.02013	0.02807	0.03192	0.04088	0.04599	0.05218	0.05793	0.06350	0.07205	0.07105
			0.07489	0.07329	0.07559	0.06970	0.06751	0.06211	0.05131	0.03066	0.01123	0.98538
4	12	0	0.05486	0.06043	0.04266	0.07122	0.07262	0.06748	0.08004	0.07995	0.08402	0.07929
			0.06800	0.04470	0.04683	0.03291	0.01981	0.02765	0.02804	0.01351	0.00592	0.17529
4	12	1	0.01531	0.02355	0.02785	0.03509	0.04075	0.04926	0.05338	0.05948	0.06887	0.06869
			0.07503	0.07807	0.08037	0.07628	0.07645	0.06833	0.05619	0.03447	0.01258	0.82471
4	13	0	0.16739	0.17347	0.17172	0.13012	0.07507	0.05893	0.04754	0.04101	0.03445	0.03501
			0.02792	0.02756	0.00964	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.06105
4	13	1	0.01280	0.02068	0.02499	0.03565	0.04447	0.05203	0.05873	0.06450	0.07394	0.07286
			0.07673	0.07512	0.07871	0.07315	0.07085	0.06518	0.05459	0.03280	0.01215	0.93895

4	14	0	0.06978	0.07590	0.07729	0.07564	0.06351	0.06191	0.06240	0.06243	0.06333	0.06204
			0.06103	0.05776	0.05298	0.04716	0.03979	0.02866	0.02114	0.01274	0.00446	0.23255
4	14	1	0.00783	0.01610	0.02082	0.03105	0.04114	0.04958	0.05673	0.06326	0.07401	0.07313
			0.07767	0.07660	0.08101	0.07520	0.07462	0.07106	0.06039	0.03627	0.01352	0.76745
4	15	0	0.02448	0.03325	0.03870	0.04697	0.05152	0.05810	0.06611	0.07169	0.08224	0.08147
			0.08503	0.07429	0.07399	0.06219	0.05396	0.04220	0.03322	0.01556	0.00500	0.76105
4	15	1	0.01510	0.01971	0.01881	0.02375	0.02983	0.03444	0.03238	0.03561	0.03742	0.03578
			0.03802	0.06562	0.07609	0.08936	0.10651	0.12171	0.10872	0.07932	0.03184	0.23895
4	16	0	0.02736	0.03629	0.04170	0.05166	0.05758	0.06569	0.07316	0.08012	0.08573	0.08084
			0.08503	0.07316	0.06976	0.05932	0.04842	0.03203	0.02269	0.00783	0.00152	0.68100
4	16	1	0.01131	0.01660	0.01722	0.01957	0.02234	0.02419	0.02579	0.02667	0.04121	0.04859
			0.04983	0.07020	0.08458	0.08866	0.10516	0.12347	0.11226	0.07984	0.03252	0.31900
4	17	0	0.07309	0.09806	0.09444	0.09710	0.08716	0.08337	0.07190	0.07891	0.07816	0.06981
			0.05880	0.04237	0.02905	0.01819	0.01043	0.00546	0.00316	0.00000	0.00000	0.22203
4	17	1	0.00773	0.01059	0.01669	0.02553	0.03469	0.04363	0.05410	0.05855	0.06964	0.07076
			0.07808	0.08060	0.08746	0.08309	0.08253	0.07711	0.06499	0.03959	0.01467	0.77797
4	18	0	0.08413	0.10137	0.09944	0.10080	0.09594	0.09411	0.09115	0.08624	0.07643	0.05465
			0.03973	0.01808	0.01893	0.01553	0.00935	0.00652	0.00756	0.00000	0.00000	0.18577
4	18	1	0.00812	0.01373	0.01901	0.02787	0.03502	0.04295	0.05050	0.05778	0.07041	0.07418
			0.08157	0.08457	0.08717	0.08081	0.07956	0.07367	0.06123	0.03783	0.01401	0.81423
4	19	0	0.06200	0.07891	0.07897	0.08584	0.08230	0.08310	0.08150	0.08262	0.08680	0.06800
			0.06247	0.04619	0.04034	0.02380	0.02189	0.01042	0.00483	0.00000	0.00000	0.29083
4	19	1	0.00593	0.00996	0.01549	0.02320	0.03159	0.03988	0.04843	0.05505	0.06527	0.07160
			0.07844	0.08290	0.08850	0.08708	0.08482	0.08203	0.07030	0.04343	0.01609	0.70917
4	20	0	0.05983	0.07418	0.07950	0.07907	0.07770	0.07507	0.06421	0.05980	0.05235	0.04611
			0.04897	0.04830	0.05061	0.05747	0.04224	0.03618	0.03262	0.01572	0.00000	0.15071
4	20	1	0.01557	0.02217	0.02587	0.03474	0.04077	0.04844	0.05696	0.06365	0.07493	0.07489
			0.07821	0.07646	0.07873	0.07067	0.07083	0.06564	0.05457	0.03348	0.01343	0.84929
5	1	0	0.00000	0.00000	0.00000	0.05523	0.06179	0.12467	0.14885	0.14794	0.13142	0.11232
			0.05726	0.02834	0.03222	0.00000	0.00000	0.03111	0.03132	0.02294	0.01415	0.02242
5	1	1	0.02275	0.03070	0.03473	0.04110	0.04599	0.05079	0.05597	0.06112	0.07016	0.06959
			0.07418	0.07323	0.07546	0.07026	0.06805	0.06189	0.05172	0.03098	0.01135	0.97758

5	2	0	0.02475	0.03543	0.04802	0.05985	0.07810	0.09026	0.08613	0.11779	0.11894	0.09148
			0.07248	0.06127	0.01165	0.01041	0.02146	0.02241	0.02265	0.01654	0.01023	0.06201
5	2	1	0.02207	0.02965	0.03302	0.04020	0.04424	0.04995	0.05619	0.05945	0.06840	0.06917
			0.07389	0.07294	0.07864	0.07253	0.06950	0.06376	0.05315	0.03174	0.01149	0.93799
5	3	0	0.08405	0.08825	0.07181	0.05420	0.03789	0.04599	0.04390	0.06546	0.07275	0.06217
			0.05630	0.06942	0.06344	0.04968	0.05103	0.04575	0.02309	0.01124	0.00348	0.09124
5	3	1	0.01603	0.02416	0.03015	0.04014	0.04719	0.05310	0.05947	0.06283	0.07141	0.07139
			0.07556	0.07250	0.07560	0.07059	0.06807	0.06275	0.05409	0.03276	0.01221	0.90876
5	4	0	0.08991	0.09454	0.10039	0.10420	0.08615	0.08713	0.08312	0.07783	0.07564	0.06462
			0.05176	0.04178	0.02647	0.00951	0.00487	0.00000	0.00000	0.00000	0.00000	0.13646
5	4	1	0.01155	0.01950	0.02345	0.03150	0.04005	0.04697	0.05409	0.06074	0.07088	0.07149
			0.07728	0.07703	0.08208	0.07803	0.07626	0.07087	0.05936	0.03567	0.01321	0.86354
5	5	0	0.06584	0.09874	0.09494	0.10616	0.09331	0.11146	0.08998	0.08144	0.07237	0.04637
			0.03149	0.02329	0.02658	0.01592	0.01631	0.01704	0.00861	0.00000	0.00000	0.08155
5	5	1	0.01837	0.02391	0.02853	0.03567	0.04217	0.04721	0.05522	0.06144	0.07146	0.07270
			0.07756	0.07456	0.07874	0.07336	0.07098	0.06512	0.05505	0.03353	0.01242	0.91845
5	6	0	0.02905	0.04104	0.04603	0.05527	0.06498	0.07206	0.07280	0.07948	0.08716	0.08305
			0.08265	0.07391	0.06905	0.05106	0.03730	0.02635	0.01809	0.00778	0.00288	0.65992
5	6	1	0.00902	0.00861	0.01051	0.01454	0.01017	0.01439	0.02943	0.03123	0.04120	0.04630
			0.05662	0.06893	0.08505	0.10288	0.12323	0.12883	0.11563	0.07547	0.02796	0.34008
5	7	0	0.13427	0.15378	0.14078	0.11907	0.09082	0.06735	0.05254	0.05228	0.05166	0.04409
			0.03372	0.02219	0.00633	0.00565	0.00582	0.00611	0.00615	0.00450	0.00278	0.11424
5	7	1	0.00779	0.01405	0.02017	0.03141	0.04060	0.05053	0.05876	0.06446	0.07409	0.07396
			0.07897	0.07867	0.08328	0.07681	0.07435	0.06831	0.05708	0.03419	0.01252	0.88576
5	8	0	0.02920	0.04013	0.04554	0.05084	0.05688	0.06603	0.06909	0.07785	0.08535	0.08153
			0.08111	0.07911	0.07379	0.05723	0.04660	0.03389	0.01711	0.00782	0.00290	0.65666
5	8	1	0.00893	0.01066	0.01561	0.02340	0.02618	0.02647	0.03693	0.03481	0.04510	0.04954
			0.05982	0.05904	0.07583	0.09058	0.10462	0.11344	0.11657	0.07475	0.02769	0.34334
5	9	0	0.02251	0.03176	0.03725	0.04655	0.05296	0.05891	0.06473	0.06949	0.07906	0.07879
			0.08109	0.07762	0.07939	0.06533	0.05603	0.04616	0.03137	0.01572	0.00526	0.78350
5	9	1	0.02125	0.02366	0.02202	0.02284	0.02237	0.02907	0.03389	0.03985	0.04427	0.04073
			0.04742	0.05267	0.05677	0.08080	0.10447	0.11564	0.12324	0.08536	0.03367	0.21650

5	10	0	0.02288	0.03385	0.03909	0.04703	0.05365	0.06050	0.06171	0.06635	0.07590	0.07235
			0.07563	0.07560	0.07444	0.06476	0.06251	0.05083	0.03562	0.02067	0.00662	0.67039
5	10	1	0.02094	0.02221	0.02349	0.03001	0.03148	0.03607	0.05062	0.05639	0.06265	0.06689
			0.07008	0.06554	0.07460	0.07666	0.07467	0.08229	0.08308	0.05139	0.02115	0.32961
5	11	0	0.15100	0.17497	0.15077	0.10432	0.03752	0.06882	0.04694	0.05606	0.04144	0.02659
			0.03612	0.02671	0.01016	0.00908	0.00935	0.00000	0.00000	0.00000	0.00000	0.07111
5	11	1	0.01238	0.01891	0.02501	0.03660	0.04319	0.05120	0.05890	0.06361	0.07383	0.07392
			0.07668	0.07570	0.07941	0.07324	0.07090	0.06589	0.05518	0.03316	0.01228	0.92889
5	12	0	0.09867	0.12712	0.12643	0.10738	0.09342	0.08546	0.07726	0.06832	0.07588	0.05673
			0.04952	0.02444	0.00930	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.15545
5	12	1	0.00817	0.01213	0.01693	0.02928	0.03767	0.04637	0.05451	0.06210	0.07073	0.07309
			0.07827	0.08102	0.08649	0.08132	0.07876	0.07246	0.06070	0.03647	0.01351	0.84455
5	13	0	0.07169	0.09519	0.10409	0.09799	0.08995	0.09096	0.07592	0.06206	0.06294	0.05631
			0.04694	0.03604	0.02646	0.02632	0.01622	0.01696	0.01427	0.00835	0.00129	0.24605
5	13	1	0.00610	0.00874	0.01106	0.02296	0.03211	0.03988	0.05222	0.06340	0.07433	0.07520
			0.08257	0.08403	0.09016	0.08250	0.08294	0.07564	0.06333	0.03813	0.01471	0.75395
5	14	0	0.07500	0.09147	0.08413	0.08061	0.06765	0.06460	0.06888	0.07936	0.08013	0.06846
			0.06624	0.04818	0.03145	0.03168	0.02168	0.01889	0.01145	0.00837	0.00172	0.18406
5	14	1	0.01034	0.01615	0.02263	0.03258	0.04153	0.04971	0.05561	0.05940	0.06959	0.07102
			0.07551	0.07764	0.08420	0.07703	0.07663	0.07075	0.06024	0.03586	0.01360	0.81594
5	15	0	0.02770	0.03672	0.04303	0.05582	0.06246	0.06455	0.07499	0.07994	0.08880	0.08217
			0.08500	0.07374	0.06966	0.05071	0.03871	0.03070	0.02114	0.01030	0.00382	0.49830
5	15	1	0.01681	0.02334	0.02493	0.02711	0.03033	0.04043	0.04123	0.04631	0.05438	0.05901
			0.06268	0.07071	0.07929	0.08653	0.09414	0.09149	0.08118	0.05116	0.01895	0.50170
5	16	0	0.02730	0.03790	0.04434	0.05502	0.06708	0.06677	0.07342	0.07413	0.07995	0.07747
			0.07062	0.06765	0.06671	0.05767	0.04952	0.04614	0.02841	0.01578	0.00410	0.61797
5	16	1	0.01405	0.01724	0.01715	0.01942	0.02897	0.02928	0.03319	0.04519	0.05791	0.05935
			0.07895	0.07961	0.08708	0.08649	0.09403	0.08556	0.08822	0.05509	0.02323	0.38203
5	17	0	0.02525	0.03558	0.04203	0.05235	0.05640	0.06251	0.06592	0.06976	0.07748	0.07310
			0.07347	0.07153	0.07031	0.06096	0.05424	0.04908	0.03524	0.01932	0.00547	0.63769
5	17	1	0.01694	0.02020	0.01972	0.02218	0.02864	0.03474	0.04421	0.05130	0.06106	0.06607
			0.07439	0.07343	0.08185	0.08227	0.08813	0.08253	0.07946	0.05101	0.02187	0.36231

5	18	0	0.02248	0.03078	0.03416	0.04255	0.04760	0.05615	0.06293	0.06769	0.07330	0.07225
			0.07606	0.07428	0.07927	0.07266	0.06612	0.05495	0.03937	0.02093	0.00646	0.78467
5	18	1	0.02137	0.02719	0.03319	0.03732	0.04175	0.03897	0.04028	0.04625	0.06508	0.06435
			0.06556	0.06473	0.05709	0.05416	0.06796	0.08399	0.09458	0.06676	0.02944	0.21533
5	19	0	0.03150	0.04182	0.04376	0.05248	0.05871	0.06621	0.07298	0.08454	0.09510	0.08947
			0.09010	0.07861	0.06848	0.04866	0.03366	0.02271	0.01261	0.00670	0.00207	0.61254
5	19	1	0.00792	0.01133	0.01844	0.02394	0.02678	0.03069	0.03444	0.02912	0.03426	0.04064
			0.04804	0.06213	0.08400	0.10033	0.11846	0.12205	0.11236	0.06890	0.02618	0.38746
5	20	0	0.03547	0.04656	0.05051	0.05958	0.06398	0.07278	0.08359	0.08062	0.08101	0.07528
			0.08059	0.06349	0.06551	0.05370	0.03974	0.02412	0.01489	0.00693	0.00183	0.51885
5	20	1	0.00797	0.01217	0.01600	0.02184	0.02731	0.03052	0.03051	0.04415	0.06131	0.06545
			0.06669	0.08164	0.08417	0.08483	0.09539	0.10118	0.09048	0.05654	0.02174	0.48115
6	1	0	0.05405	0.07361	0.07370	0.07236	0.08359	0.07954	0.07616	0.08816	0.09796	0.07592
			0.07494	0.05726	0.03813	0.02196	0.01754	0.00786	0.00529	0.00194	0.00000	0.26549
6	1	1	0.01074	0.01425	0.01958	0.03024	0.03288	0.04266	0.05151	0.05400	0.06198	0.06861
			0.07339	0.07763	0.08763	0.08557	0.08422	0.08048	0.06788	0.04123	0.01553	0.73451
6	2	0	0.05253	0.06744	0.07415	0.07911	0.08601	0.09176	0.09168	0.09139	0.09944	0.07748
			0.06391	0.05008	0.03599	0.01708	0.01169	0.00815	0.00206	0.00000	0.00000	0.34146
6	2	1	0.00653	0.01060	0.01310	0.02188	0.02577	0.03207	0.04061	0.04838	0.05706	0.06696
			0.07893	0.08370	0.09445	0.09544	0.09495	0.08870	0.07677	0.04677	0.01733	0.65854
6	3	0	0.14267	0.17844	0.15528	0.12791	0.10196	0.07741	0.04634	0.04614	0.03079	0.01794
			0.01824	0.01795	0.01026	0.00917	0.00945	0.00991	0.00000	0.00000	0.00000	0.07040
6	3	1	0.01312	0.01877	0.02476	0.03487	0.04213	0.05056	0.05894	0.06435	0.07462	0.07453
			0.07801	0.07633	0.07935	0.07319	0.07084	0.06508	0.05514	0.03313	0.01227	0.92960
6	4	0	0.03964	0.05244	0.05595	0.06632	0.07500	0.08128	0.08215	0.08909	0.09261	0.08213
			0.07800	0.06580	0.05274	0.03579	0.02352	0.01383	0.00776	0.00454	0.00140	0.45254
6	4	1	0.00786	0.01147	0.01576	0.02084	0.02265	0.02862	0.03813	0.04157	0.05411	0.06098
			0.07033	0.07753	0.09247	0.09587	0.10206	0.10035	0.08722	0.05251	0.01968	0.54746

6	5	0	0.08874	0.10072	0.11268	0.08044	0.07399	0.07023	0.07396	0.04694	0.05958	0.05847
			0.05956	0.04571	0.04476	0.03341	0.02057	0.01432	0.00724	0.00530	0.00327	0.09701
6	5	1	0.01510	0.02241	0.02549	0.03723	0.04337	0.05054	0.05634	0.06480	0.07281	0.07185
			0.07533	0.07507	0.07768	0.07247	0.07146	0.06624	0.05599	0.03354	0.01228	0.90299
6	6	0	0.07717	0.09893	0.10409	0.10858	0.10211	0.09657	0.08611	0.07629	0.07064	0.05850
			0.04705	0.03097	0.01766	0.01266	0.00325	0.00341	0.00343	0.00251	0.00000	0.20454
6	6	1	0.00819	0.01228	0.01592	0.02415	0.03200	0.04110	0.05084	0.05967	0.07176	0.07365
			0.08068	0.08283	0.08910	0.08308	0.08279	0.07606	0.06356	0.03807	0.01434	0.79546
6	7	0	0.07035	0.08750	0.08576	0.09653	0.09471	0.08817	0.09721	0.08925	0.08500	0.06917
			0.06041	0.02983	0.02553	0.01525	0.00522	0.00000	0.00000	0.00000	0.00000	0.25498
6	7	1	0.00578	0.01030	0.01622	0.02256	0.02979	0.04023	0.04465	0.05411	0.06692	0.07102
			0.07838	0.08673	0.09124	0.08697	0.08750	0.08214	0.06880	0.04134	0.01531	0.74502
6	8	0	0.02686	0.03448	0.03791	0.04404	0.05082	0.06017	0.06641	0.07205	0.08439	0.08112
			0.08167	0.07968	0.07905	0.06403	0.05279	0.04165	0.02524	0.01384	0.00380	0.66784
6	8	1	0.01296	0.02102	0.02598	0.03615	0.03733	0.03692	0.04125	0.04502	0.04568	0.04930
			0.05797	0.05723	0.06535	0.07804	0.09413	0.10051	0.10358	0.06491	0.02672	0.33216
6	9	0	0.02624	0.03592	0.04131	0.04960	0.05569	0.06458	0.07068	0.07398	0.08319	0.07849
			0.07649	0.07122	0.07248	0.05880	0.04865	0.04427	0.02949	0.01460	0.00429	0.73829
6	9	1	0.01096	0.01334	0.01319	0.01834	0.01996	0.01822	0.02243	0.03229	0.03865	0.04815
			0.06621	0.07503	0.08015	0.09655	0.11692	0.10895	0.11268	0.07650	0.03149	0.26171
6	10	0	0.02649	0.03522	0.03967	0.04729	0.05222	0.05786	0.06424	0.06884	0.07649	0.07676
			0.07979	0.07565	0.07657	0.06381	0.05568	0.04623	0.03284	0.01769	0.00663	0.81234
6	10	1	0.00383	0.00744	0.00919	0.01600	0.02087	0.02904	0.03127	0.03811	0.05005	0.04365
			0.04786	0.05738	0.06550	0.08978	0.11343	0.12601	0.13098	0.08753	0.03209	0.18766
6	11	0	0.09625	0.10841	0.11577	0.10596	0.09679	0.08659	0.07829	0.06426	0.05101	0.03557
			0.03627	0.03131	0.02551	0.02289	0.01879	0.01474	0.00992	0.00363	0.00000	0.14163
6	11	1	0.01003	0.01708	0.02078	0.03077	0.03802	0.04682	0.05471	0.06287	0.07492	0.07632
			0.07999	0.07897	0.08257	0.07624	0.07440	0.06887	0.05808	0.03528	0.01329	0.85837
6	12	0	0.02899	0.04064	0.04467	0.05377	0.06139	0.06915	0.07011	0.07281	0.07983	0.07711
			0.07760	0.06905	0.06694	0.05611	0.04668	0.03531	0.02831	0.01686	0.00473	0.66981
6	12	1	0.00869	0.00845	0.01219	0.01636	0.01582	0.01857	0.03358	0.04332	0.05470	0.05724
			0.06609	0.07865	0.08981	0.09418	0.10677	0.11373	0.09782	0.05907	0.02496	0.33019

6	13	0	0.03437	0.04334	0.04492	0.05112	0.05559	0.05680	0.06248	0.07268	0.08589	0.08381
			0.08426	0.07867	0.07570	0.05862	0.04249	0.03455	0.02243	0.01002	0.00225	0.56364
6	13	1	0.00657	0.01279	0.01978	0.02888	0.03440	0.04683	0.05232	0.05066	0.05298	0.05342
			0.06029	0.06339	0.07293	0.08167	0.09756	0.09562	0.08850	0.05765	0.02324	0.43636
6	14	0	0.06261	0.07831	0.08131	0.07485	0.07053	0.07926	0.07320	0.06215	0.06906	0.06283
			0.06401	0.05793	0.06012	0.04039	0.03041	0.01735	0.00876	0.00426	0.00264	0.24062
6	14	1	0.00945	0.01471	0.01894	0.03083	0.03868	0.04396	0.05325	0.06336	0.07231	0.07300
			0.07690	0.07675	0.07904	0.07764	0.07796	0.07510	0.06473	0.03921	0.01419	0.75938
6	15	0	0.03496	0.04373	0.04707	0.05642	0.06247	0.06758	0.07719	0.07808	0.08426	0.08113
			0.07930	0.06726	0.07049	0.05188	0.03821	0.02905	0.01956	0.00804	0.00331	0.57456
6	15	1	0.00506	0.01148	0.01623	0.02117	0.02455	0.03202	0.03220	0.04280	0.05434	0.05627
			0.06637	0.07892	0.07989	0.09137	0.10476	0.10462	0.09408	0.06154	0.02235	0.42544
6	16	0	0.04823	0.06496	0.06546	0.06674	0.06581	0.07397	0.06914	0.07565	0.07845	0.07002
			0.06636	0.05897	0.04861	0.04356	0.03612	0.02877	0.02179	0.01327	0.00410	0.38678
6	16	1	0.00585	0.00797	0.01407	0.02545	0.03406	0.03887	0.05105	0.05514	0.06717	0.07088
			0.07849	0.08058	0.09081	0.08453	0.08570	0.08166	0.06985	0.04185	0.01602	0.61322
6	17	0	0.05305	0.07095	0.07623	0.08693	0.09451	0.09653	0.09645	0.08814	0.08458	0.06792
			0.06328	0.04098	0.03341	0.02196	0.01230	0.00428	0.00433	0.00316	0.00098	0.32459
6	17	1	0.00744	0.01033	0.01363	0.01955	0.02319	0.03126	0.03960	0.05102	0.06526	0.07181
			0.07886	0.08723	0.09423	0.09113	0.09258	0.08855	0.07381	0.04408	0.01642	0.67541
6	18	0	0.04299	0.05637	0.05847	0.06726	0.06802	0.06922	0.06797	0.07454	0.07341	0.06893
			0.06855	0.06108	0.05087	0.04558	0.03986	0.03624	0.02745	0.01739	0.00578	0.38381
6	18	1	0.00932	0.01359	0.01868	0.02533	0.03283	0.04201	0.05187	0.05593	0.07036	0.07156
			0.07707	0.07916	0.08920	0.08307	0.08312	0.07674	0.06609	0.03915	0.01492	0.61619
6	19	0	0.04381	0.05618	0.05910	0.06832	0.06884	0.07942	0.07966	0.08121	0.07821	0.07694
			0.07125	0.06331	0.05419	0.04676	0.02954	0.02123	0.01170	0.00855	0.00176	0.36027
6	19	1	0.01009	0.01527	0.01979	0.02627	0.03367	0.03726	0.04588	0.05285	0.06777	0.06695
			0.07524	0.07724	0.08592	0.08102	0.08734	0.08371	0.07354	0.04333	0.01684	0.63973
6	20	0	0.08571	0.10191	0.10695	0.10360	0.09963	0.09042	0.09957	0.08201	0.07673	0.05437
			0.04688	0.01683	0.00959	0.00862	0.00442	0.00463	0.00466	0.00341	0.00000	0.15065
6	20	1	0.01098	0.01726	0.02100	0.03039	0.03689	0.04572	0.05069	0.05971	0.07061	0.07342
			0.07857	0.08205	0.08600	0.07933	0.07754	0.07123	0.05953	0.03566	0.01343	0.84935

7	1	0	0.06970	0.13730	0.15025	0.13857	0.13659	0.09483	0.05518	0.01975	0.02119	0.01811
			0.03435	0.01528	0.01450	0.01395	0.01501	0.01674	0.01952	0.01851	0.01040	0.03545
7	1	1	0.02050	0.02607	0.02968	0.03785	0.04302	0.05089	0.05816	0.06466	0.07338	0.07248
			0.07525	0.07431	0.07670	0.07069	0.06841	0.06283	0.05243	0.03125	0.01145	0.96455
7	2	0	0.04824	0.06333	0.05978	0.05207	0.05041	0.06039	0.07130	0.07660	0.09406	0.08013
			0.07382	0.05512	0.05816	0.04631	0.03532	0.03247	0.02434	0.00767	0.00144	0.25614
7	2	1	0.01329	0.01854	0.02506	0.03775	0.04184	0.04972	0.05349	0.05841	0.06377	0.06725
			0.07379	0.07811	0.08011	0.07638	0.07726	0.07109	0.06053	0.03876	0.01484	0.74386
7	3	0	0.10171	0.10017	0.08219	0.06497	0.06411	0.06236	0.06041	0.06485	0.04661	0.03965
			0.01891	0.01673	0.04761	0.04581	0.03287	0.05499	0.06411	0.02026	0.01138	0.03238
7	3	1	0.01958	0.02766	0.03254	0.04063	0.04575	0.05212	0.05797	0.06301	0.07236	0.07158
			0.07564	0.07408	0.07539	0.06945	0.06765	0.06141	0.05083	0.03115	0.01141	0.96762
7	4	0	0.07309	0.11196	0.11158	0.10728	0.10910	0.10275	0.07074	0.07599	0.07422	0.05373
			0.03907	0.03478	0.01774	0.00975	0.00525	0.00293	0.00000	0.00000	0.00000	0.20286
7	4	1	0.00930	0.00916	0.01420	0.02466	0.03037	0.03965	0.05482	0.05978	0.07084	0.07483
			0.08264	0.08175	0.08893	0.08368	0.08211	0.07603	0.06430	0.03864	0.01431	0.79714
7	5	0	0.04954	0.06707	0.06672	0.08092	0.08146	0.07920	0.08499	0.09307	0.08867	0.07232
			0.06877	0.04763	0.03991	0.02972	0.02534	0.01340	0.00868	0.00164	0.00092	0.39908
7	5	1	0.00411	0.00540	0.01219	0.01518	0.02302	0.03469	0.04016	0.04315	0.06015	0.06937
			0.07714	0.08855	0.09746	0.09455	0.09387	0.09294	0.07954	0.05016	0.01837	0.60092
7	6	0	0.10513	0.12451	0.13215	0.11946	0.11769	0.10967	0.09713	0.07951	0.06405	0.03181
			0.01298	0.00384	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.14104
7	6	1	0.00863	0.01416	0.01783	0.02860	0.03462	0.04306	0.05163	0.06037	0.07276	0.07691
			0.09379	0.08345	0.08672	0.07996	0.07744	0.07125	0.05968	0.03586	0.01328	0.85896
7	7	0	0.12105	0.15171	0.13340	0.11256	0.09243	0.07190	0.04359	0.03741	0.01003	0.02573
			0.02445	0.02904	0.02747	0.03303	0.02133	0.02379	0.01849	0.01753	0.00492	0.07485
7	7	1	0.01425	0.02016	0.02590	0.03566	0.04261	0.05088	0.05922	0.06515	0.07651	0.07418
			0.07779	0.07571	0.07829	0.07156	0.07018	0.06423	0.05391	0.03187	0.01193	0.92515
7	8	0	0.02272	0.03043	0.03526	0.04416	0.04885	0.05491	0.06118	0.06651	0.07478	0.07219
			0.07606	0.07251	0.07313	0.06488	0.06284	0.05639	0.04586	0.02676	0.01056	0.90619
7	8	1	0.01757	0.02594	0.02128	0.01497	0.02213	0.02868	0.02778	0.02985	0.04011	0.05467
			0.05200	0.06944	0.08759	0.10535	0.10211	0.10764	0.10338	0.06987	0.01962	0.09381

7	9	0	0.10060	0.12190	0.11880	0.13191	0.12346	0.08845	0.08578	0.07898	0.04952	0.03016
			0.02863	0.01018	0.00483	0.00000	0.00500	0.00558	0.00650	0.00616	0.00346	0.10645
7	9	1	0.01291	0.01906	0.02384	0.03064	0.03715	0.04816	0.05475	0.06117	0.07415	0.07536
			0.07918	0.07961	0.08279	0.07686	0.07385	0.06783	0.05659	0.03373	0.01236	0.89355
7	10	0	0.06124	0.07840	0.07423	0.06263	0.07714	0.07498	0.06789	0.07816	0.08955	0.07154
			0.06348	0.05654	0.04203	0.03671	0.02769	0.01765	0.01029	0.00975	0.00000	0.13451
7	10	1	0.01618	0.02240	0.02769	0.03812	0.04155	0.04895	0.05652	0.06072	0.06873	0.07040
			0.07540	0.07466	0.07953	0.07365	0.07255	0.06797	0.05763	0.03407	0.01318	0.86549
7	11	0	0.12251	0.13763	0.13413	0.11914	0.11737	0.08556	0.06920	0.05947	0.04795	0.02043
			0.02591	0.02306	0.01635	0.01573	0.00564	0.00000	0.00000	0.00000	0.00000	0.09428
7	11	1	0.01182	0.01881	0.02352	0.03333	0.03895	0.04900	0.05689	0.06344	0.07398	0.07577
			0.07879	0.07734	0.08054	0.07419	0.07286	0.06757	0.05660	0.03401	0.01260	0.90572
7	12	0	0.06567	0.10162	0.09854	0.08796	0.08270	0.08041	0.08172	0.07582	0.07719	0.07670
			0.05905	0.02784	0.02927	0.02530	0.01212	0.01014	0.00788	0.00000	0.00000	0.17560
7	12	1	0.01290	0.01476	0.02019	0.03151	0.03859	0.04650	0.05301	0.06035	0.07032	0.06924
			0.07694	0.08167	0.08412	0.07792	0.07811	0.07208	0.06050	0.03736	0.01384	0.82440
7	13	0	0.08972	0.09916	0.10017	0.10564	0.11058	0.10119	0.08893	0.08238	0.07080	0.04827
			0.03727	0.02554	0.01933	0.01628	0.01001	0.00837	0.00325	0.00308	0.00000	0.21268
7	13	1	0.00941	0.01133	0.01666	0.02407	0.02899	0.03928	0.04971	0.05785	0.07173	0.07657
			0.08367	0.08483	0.08930	0.08284	0.08179	0.07547	0.06423	0.03829	0.01449	0.78732
7	14	0	0.03512	0.05476	0.06150	0.07234	0.08109	0.09318	0.08808	0.08964	0.08027	0.06154
			0.05850	0.05789	0.04928	0.04390	0.03782	0.02533	0.00738	0.00233	0.00000	0.28143
7	14	1	0.01720	0.02032	0.02316	0.02931	0.03273	0.03650	0.04629	0.05266	0.06811	0.07408
			0.07979	0.07783	0.08456	0.07838	0.07776	0.07525	0.06845	0.04195	0.01588	0.71857
7	15	0	0.03228	0.04035	0.04516	0.05609	0.06151	0.06791	0.07374	0.07817	0.08513	0.07735
			0.07263	0.06548	0.06427	0.05288	0.04653	0.03762	0.02715	0.01185	0.00388	0.66340
7	15	1	0.00244	0.00964	0.01186	0.01251	0.01644	0.02197	0.02713	0.03331	0.04473	0.05716
			0.07610	0.08550	0.09463	0.09982	0.10593	0.10767	0.09877	0.06814	0.02624	0.35660
7	16	0	0.02023	0.02988	0.03451	0.04501	0.05473	0.06330	0.06674	0.07075	0.07704	0.07350
			0.07239	0.07112	0.07289	0.06538	0.05881	0.05269	0.04064	0.02235	0.00803	0.73299
7	16	1	0.02776	0.03038	0.03241	0.03155	0.02331	0.02267	0.03420	0.04200	0.05639	0.06246
			0.07767	0.07525	0.07889	0.07773	0.08769	0.08455	0.08042	0.05400	0.02068	0.26701

7	17	0	0.03914	0.05929	0.07054	0.08212	0.08090	0.08848	0.08583	0.08454	0.07705	0.06798
			0.06466	0.05161	0.04130	0.03793	0.02918	0.01955	0.01267	0.00718	0.00000	0.27358
7	17	1	0.01587	0.01898	0.02016	0.02609	0.03333	0.03888	0.04759	0.05499	0.06945	0.07152
			0.07724	0.07998	0.08699	0.08026	0.08058	0.07689	0.06580	0.03969	0.01571	0.72642
7	18	0	0.04375	0.05815	0.06864	0.07830	0.08081	0.08393	0.08314	0.08746	0.08198	0.07323
			0.06479	0.05192	0.04229	0.03542	0.02685	0.01893	0.01471	0.00870	0.00195	0.37657
7	18	1	0.00925	0.01301	0.01602	0.01914	0.02552	0.03343	0.04290	0.04834	0.06522	0.06893
			0.07924	0.08448	0.09394	0.08877	0.09048	0.08673	0.07333	0.04415	0.01712	0.62343
7	19	0	0.02176	0.02857	0.03297	0.04095	0.04567	0.05329	0.06102	0.06634	0.07624	0.07553
			0.07854	0.07650	0.07859	0.07070	0.06619	0.05625	0.04193	0.02164	0.00729	0.90854
7	19	1	0.02702	0.04433	0.04365	0.04606	0.05295	0.04410	0.02850	0.03062	0.02471	0.02106
			0.02671	0.02969	0.03372	0.04859	0.06982	0.11041	0.14393	0.12181	0.05232	0.09146
7	20	0	0.02981	0.04403	0.04685	0.06070	0.06398	0.06895	0.07214	0.08031	0.08175	0.07738
			0.07604	0.06115	0.06095	0.05266	0.04708	0.03345	0.02925	0.01054	0.00296	0.49733
7	20	1	0.01475	0.01614	0.02110	0.02235	0.02889	0.03612	0.04411	0.04601	0.06142	0.06379
			0.07159	0.08317	0.08780	0.08453	0.08575	0.08866	0.07303	0.05084	0.01977	0.50267
8	1	0	0.16348	0.19922	0.16226	0.10235	0.06622	0.03209	0.00000	0.00000	0.03590	0.03068
			0.02928	0.05177	0.04913	0.02363	0.02543	0.02808	0.00000	0.00000	0.00000	0.02092
8	1	1	0.01922	0.02639	0.03121	0.04012	0.04592	0.05289	0.05929	0.06442	0.07229	0.07140
			0.07475	0.07266	0.07503	0.06964	0.06740	0.06191	0.05236	0.03146	0.01165	0.97908
8	2	0	0.07662	0.08216	0.07299	0.07039	0.08676	0.06625	0.07010	0.06904	0.06747	0.04020
			0.03828	0.03895	0.04144	0.04424	0.03814	0.03690	0.03063	0.02298	0.00639	0.11163
8	2	1	0.01541	0.02346	0.02904	0.03778	0.04126	0.05072	0.05654	0.06232	0.07204	0.07436
			0.07826	0.07640	0.07864	0.07175	0.07009	0.06425	0.05385	0.03178	0.01204	0.88837
8	3	0	0.12348	0.13886	0.12817	0.11894	0.09216	0.08212	0.08689	0.07781	0.05854	0.04269
			0.02712	0.00601	0.00571	0.00549	0.00591	0.00000	0.00000	0.00000	0.00000	0.09006
8	3	1	0.01222	0.01924	0.02462	0.03375	0.04181	0.04951	0.05520	0.06161	0.07282	0.07331
			0.07842	0.07877	0.08130	0.07493	0.07252	0.06726	0.05633	0.03385	0.01254	0.90994
8	4	0	0.12128	0.15758	0.13639	0.11815	0.11444	0.07945	0.05398	0.05798	0.04446	0.03034
			0.02163	0.01280	0.01219	0.01169	0.01258	0.00694	0.00806	0.00000	0.00000	0.08463
8	4	1	0.01308	0.01823	0.02448	0.03433	0.04004	0.04995	0.05843	0.06354	0.07403	0.07427
			0.07862	0.07771	0.08023	0.07395	0.07151	0.06622	0.05525	0.03365	0.01246	0.91537

8	5	0	0.06021	0.07594	0.07872	0.09167	0.08878	0.07797	0.07562	0.07255	0.07170	0.06108
			0.06060	0.05170	0.04679	0.03273	0.02424	0.01705	0.00849	0.00265	0.00147	0.24151
8	5	1	0.01015	0.01539	0.01969	0.02542	0.03283	0.04433	0.05246	0.06005	0.07147	0.07356
			0.07800	0.07875	0.08331	0.08013	0.07998	0.07526	0.06488	0.03976	0.01457	0.75849
8	6	0	0.11341	0.14209	0.13502	0.11496	0.11791	0.10187	0.08031	0.06635	0.04992	0.03040
			0.01153	0.00513	0.00487	0.00468	0.00000	0.00556	0.00646	0.00607	0.00337	0.10560
8	6	1	0.01148	0.01478	0.02202	0.03274	0.03789	0.04662	0.05542	0.06268	0.07408	0.07529
			0.08115	0.08014	0.08271	0.07624	0.07437	0.06777	0.05655	0.03372	0.01236	0.89440
8	7	0	0.04347	0.05969	0.06430	0.07588	0.07509	0.08697	0.08587	0.09226	0.09218	0.09036
			0.07185	0.05393	0.04154	0.03195	0.01721	0.00816	0.00631	0.00297	0.00000	0.43293
8	7	1	0.00603	0.00735	0.01078	0.01511	0.02439	0.02609	0.03681	0.04078	0.05577	0.05543
			0.07529	0.08618	0.09965	0.09672	0.10417	0.10170	0.08558	0.05205	0.02012	0.56707
8	8	0	0.06258	0.08345	0.08628	0.09075	0.08788	0.09062	0.08288	0.08636	0.07827	0.06422
			0.04461	0.03554	0.02573	0.02092	0.01844	0.01812	0.01316	0.00741	0.00275	0.25971
8	8	1	0.00809	0.01126	0.01559	0.02411	0.03177	0.03906	0.04934	0.05490	0.06916	0.07277
			0.08404	0.08509	0.09160	0.08544	0.08339	0.07631	0.06462	0.03901	0.01445	0.74029
8	9	0	0.21079	0.25680	0.20915	0.10998	0.08522	0.04136	0.00000	0.00000	0.00000	0.01978
			0.01887	0.01668	0.01583	0.01523	0.00000	0.00000	0.00000	0.00000	0.00000	0.03246
8	9	1	0.01591	0.02240	0.02807	0.03912	0.04504	0.05282	0.06000	0.06519	0.07393	0.07225
			0.07564	0.07408	0.07646	0.07047	0.06875	0.06325	0.05298	0.03183	0.01179	0.96754
8	10	0	0.11789	0.11480	0.09356	0.03282	0.03182	0.01542	0.03000	0.04823	0.08641	0.07372
			0.09814	0.07480	0.07083	0.04543	0.03667	0.01349	0.01566	0.00000	0.00000	0.04354
8	10	1	0.01789	0.02615	0.03124	0.04181	0.04700	0.05414	0.05933	0.06375	0.07085	0.07041
			0.07269	0.07210	0.07466	0.06974	0.06788	0.06337	0.05288	0.03220	0.01193	0.95646
8	11	0	0.07317	0.11019	0.10559	0.10551	0.10219	0.07321	0.07100	0.06537	0.05267	0.04487
			0.05693	0.02533	0.01998	0.02307	0.02069	0.01371	0.01594	0.01497	0.00555	0.12861
8	11	1	0.01472	0.01818	0.02338	0.03196	0.03810	0.04939	0.05614	0.06273	0.07431	0.07434
			0.07629	0.07914	0.08253	0.07541	0.07328	0.06821	0.05647	0.03314	0.01228	0.87139
8	12	0	0.09475	0.12592	0.12991	0.10069	0.09753	0.06771	0.05910	0.03531	0.03789	0.03232
			0.03686	0.02189	0.03105	0.02490	0.02679	0.02964	0.02751	0.01293	0.00718	0.09931
8	12	1	0.01424	0.01943	0.02337	0.03489	0.04070	0.05077	0.05793	0.06613	0.07524	0.07476
			0.07787	0.07777	0.07928	0.07351	0.07090	0.06468	0.05388	0.03277	0.01188	0.90069

8	13	0	0.13444	0.16741	0.14822	0.12470	0.09662	0.08220	0.05124	0.04284	0.03285	0.02803
			0.01063	0.00946	0.01346	0.01295	0.01394	0.01026	0.01195	0.00559	0.00311	0.11453
8	13	1	0.00773	0.01224	0.01917	0.03065	0.03984	0.04860	0.05893	0.06569	0.07653	0.07605
			0.08197	0.08034	0.08238	0.07589	0.07332	0.06779	0.05634	0.03406	0.01248	0.88547
8	14	0	0.16223	0.18447	0.16098	0.09028	0.07654	0.04253	0.02064	0.02213	0.02386	0.02029
			0.01925	0.01712	0.01625	0.02345	0.03364	0.02786	0.03241	0.02030	0.00563	0.06327
8	14	1	0.01279	0.01953	0.02537	0.03812	0.04430	0.05312	0.06058	0.06584	0.07475	0.07394
			0.07748	0.07594	0.07842	0.07174	0.06874	0.06345	0.05253	0.03151	0.01180	0.93673
8	15	0	0.02429	0.03489	0.03958	0.04910	0.05686	0.06634	0.07117	0.07647	0.08666	0.08148
			0.08297	0.07630	0.07218	0.05982	0.05011	0.03606	0.02247	0.01055	0.00266	0.66901
8	15	1	0.01809	0.02015	0.02257	0.02589	0.02507	0.02437	0.03153	0.03599	0.04095	0.04845
			0.05527	0.06397	0.07915	0.08659	0.09968	0.11201	0.10944	0.07173	0.02909	0.33099
8	16	0	0.05582	0.06755	0.06963	0.07323	0.07951	0.07732	0.07904	0.07839	0.08188	0.06178
			0.05497	0.04337	0.04470	0.03532	0.03307	0.02742	0.02337	0.00997	0.00332	0.32182
8	16	1	0.00631	0.01229	0.01702	0.02632	0.03060	0.04065	0.04809	0.05580	0.06662	0.07471
			0.08274	0.08567	0.08863	0.08451	0.08239	0.07723	0.06450	0.04068	0.01525	0.67818
8	17	0	0.06553	0.08622	0.08323	0.09574	0.09537	0.09531	0.09244	0.09395	0.07787	0.05897
			0.04673	0.02913	0.02559	0.01892	0.01427	0.00903	0.00785	0.00245	0.00136	0.26106
8	17	1	0.00695	0.01015	0.01654	0.02223	0.02902	0.03731	0.04590	0.05216	0.06929	0.07464
			0.08336	0.08744	0.09176	0.08626	0.08498	0.07963	0.06659	0.04081	0.01496	0.73894
8	18	0	0.04301	0.06707	0.07056	0.07421	0.07419	0.07439	0.06340	0.06577	0.06815	0.06664
			0.06952	0.06372	0.05339	0.04803	0.03746	0.02564	0.01833	0.01291	0.00358	0.29832
8	18	1	0.01341	0.01425	0.01839	0.02748	0.03450	0.04312	0.05578	0.06192	0.07297	0.07221
			0.07562	0.07583	0.08346	0.07746	0.07887	0.07632	0.06526	0.03841	0.01474	0.70168
8	19	0	0.04361	0.05870	0.06594	0.07629	0.08397	0.08653	0.09185	0.09868	0.09689	0.07785
			0.06813	0.04482	0.03118	0.02400	0.01809	0.01143	0.01161	0.00779	0.00260	0.41186
8	19	1	0.00727	0.00992	0.01154	0.01700	0.01999	0.02858	0.03438	0.03813	0.05377	0.06544
			0.07777	0.09141	0.10482	0.09997	0.10043	0.09605	0.07902	0.04691	0.01758	0.58814
8	20	0	0.03707	0.05090	0.05350	0.06611	0.07084	0.07550	0.07965	0.08834	0.08899	0.07454
			0.07688	0.05882	0.04958	0.03991	0.03669	0.02087	0.01750	0.01011	0.00421	0.50770
8	20	1	0.00695	0.00847	0.01379	0.01596	0.02108	0.02868	0.03578	0.03701	0.05353	0.06644
			0.07062	0.08604	0.10018	0.09835	0.09729	0.10280	0.08608	0.05213	0.01883	0.49230

9	1	0	0.06117	0.07251	0.09107	0.11474	0.11685	0.11725	0.10589	0.07896	0.04874	0.03079	
			0.02996	0.03862	0.03024	0.02923	0.02165	0.01215	0.00000	0.00000	0.00000	0.05592	
9	1	1	0.01993	0.02749	0.03057	0.03708	0.04216	0.04861	0.05522	0.06213	0.07288	0.07291	
			0.07640	0.07421	0.07711	0.07102	0.06918	0.06411	0.05430	0.03262	0.01209	0.94408	
9	2	0	0.06482	0.07117	0.06996	0.07446	0.06872	0.06656	0.07559	0.08301	0.08696	0.08008	
			0.07135	0.05804	0.04501	0.03043	0.02170	0.01628	0.01167	0.00262	0.00152	0.25073	
9	2	1	0.00799	0.01624	0.02190	0.03037	0.03885	0.04773	0.05218	0.05640	0.06637	0.06736	
			0.07462	0.07696	0.08435	0.08148	0.08152	0.07623	0.06451	0.04023	0.01472	0.74927	
9	3	0	0.04555	0.05009	0.06025	0.06376	0.06327	0.06848	0.07304	0.07777	0.08591	0.08519	
			0.07991	0.07093	0.06168	0.04735	0.03050	0.01905	0.00820	0.00000	0.00000	0.35685	
9	3	1	0.00931	0.01387	0.01936	0.02903	0.03695	0.04356	0.04973	0.05492	0.06355	0.06243	
			0.07041	0.07291	0.08160	0.08052	0.08651	0.08458	0.07515	0.04789	0.01774	0.64315	
9	4	0	0.02822	0.04147	0.04854	0.05582	0.06272	0.07079	0.07524	0.08011	0.09552	0.08989	
			0.08485	0.07379	0.06423	0.04676	0.03492	0.02243	0.01570	0.00649	0.00251	0.60622	
9	4	1	0.01304	0.01236	0.01140	0.01926	0.02112	0.02421	0.03159	0.03684	0.03460	0.04078	
			0.05679	0.06980	0.09029	0.10243	0.11517	0.12088	0.10600	0.06823	0.02511	0.39378	
9	5	0	0.03475	0.05648	0.06896	0.08125	0.09311	0.10377	0.10312	0.09151	0.09091	0.07325	
			0.06163	0.04690	0.03930	0.02531	0.01757	0.00788	0.00425	0.00000	0.00000	0.17231	
9	5	1	0.01964	0.02450	0.02666	0.03313	0.03660	0.04177	0.04867	0.05715	0.06749	0.06999	
			0.07633	0.07740	0.08182	0.07771	0.07671	0.07230	0.06105	0.03721	0.01379	0.82769	
9	6	0	0.04934	0.07017	0.07615	0.08974	0.08756	0.09358	0.08921	0.08084	0.07639	0.06434	
			0.05375	0.04490	0.03970	0.02969	0.02326	0.01743	0.01173	0.00210	0.00000	0.31208	
9	6	1	0.00995	0.01179	0.01481	0.01950	0.02764	0.03379	0.04391	0.05501	0.06932	0.07337	
			0.08289	0.08462	0.09023	0.08637	0.08615	0.08105	0.06919	0.04382	0.01659	0.68792	
9	7	0	0.02677	0.03702	0.04206	0.05097	0.05811	0.06529	0.07184	0.07320	0.08085	0.07704	
			0.07656	0.07169	0.07360	0.06326	0.05284	0.03991	0.02674	0.01025	0.00198	0.76681	
9	7	1	0.00733	0.00694	0.00728	0.01000	0.00765	0.01023	0.01270	0.02975	0.04089	0.04919	
			0.06472	0.07396	0.07743	0.08650	0.11151	0.13122	0.13189	0.09836	0.04241	0.23319	
9	8	0	0.02032	0.02997	0.03284	0.03849	0.04469	0.05113	0.05785	0.06492	0.07912	0.07721	
			0.08264	0.07824	0.08043	0.06977	0.06545	0.05385	0.04252	0.02249	0.00803	0.75773	
9	8	1	0.02825	0.03013	0.03737	0.05057	0.05149	0.05659	0.05868	0.05727	0.04780	0.04971	
			0.04615	0.05330	0.05590	0.06526	0.06988	0.08420	0.07858	0.05680	0.02198	0.24227	

9	9	0	0.06684	0.07922	0.06634	0.09121	0.10449	0.11643	0.10413	0.11092	0.05325	0.05611
			0.04369	0.04219	0.03304	0.03194	0.00000	0.00000	0.00000	0.00000	0.00000	0.05118
9	9	1	0.01983	0.02736	0.03220	0.03873	0.04320	0.04900	0.05556	0.06049	0.07252	0.07133
			0.07542	0.07384	0.07673	0.07066	0.07011	0.06450	0.05402	0.03246	0.01203	0.94882
9	10	0	0.04624	0.06580	0.06884	0.10251	0.09634	0.10472	0.09604	0.08525	0.09205	0.07753
			0.06045	0.05096	0.04581	0.00733	0.00000	0.00000	0.00000	0.00000	0.00000	0.07398
9	10	1	0.02032	0.02715	0.03114	0.03654	0.04235	0.04827	0.05501	0.06130	0.06989	0.06999
			0.07487	0.07392	0.07678	0.07358	0.07183	0.06609	0.05536	0.03326	0.01232	0.92602
9	11	0	0.09299	0.12022	0.10065	0.11530	0.11741	0.10599	0.09368	0.08102	0.04715	0.02266
			0.01109	0.00535	0.01110	0.01415	0.01795	0.02014	0.01449	0.00648	0.00000	0.10120
9	11	1	0.01427	0.01985	0.02644	0.03310	0.03834	0.04642	0.05404	0.06105	0.07428	0.07594
			0.08086	0.07975	0.08162	0.07459	0.07199	0.06582	0.05540	0.03354	0.01269	0.89880
9	12	0	0.03413	0.04469	0.04944	0.05986	0.06435	0.07021	0.07541	0.07310	0.08155	0.07302
			0.06798	0.05838	0.06327	0.04972	0.04596	0.03747	0.03340	0.01369	0.00434	0.52629
9	12	1	0.00903	0.01370	0.01672	0.02093	0.02633	0.03272	0.03876	0.05192	0.06040	0.06781
			0.08026	0.08760	0.08694	0.08974	0.08937	0.08757	0.07110	0.04980	0.01927	0.47371
9	13	0	0.08487	0.08049	0.07017	0.04347	0.05899	0.04438	0.04408	0.03130	0.03372	0.04271
			0.04157	0.04014	0.07005	0.08112	0.06008	0.06742	0.07263	0.03256	0.00000	0.04030
9	13	1	0.01961	0.02789	0.03243	0.04133	0.04581	0.05279	0.05864	0.06440	0.07312	0.07172
			0.07515	0.07357	0.07468	0.06816	0.06679	0.06094	0.05036	0.03073	0.01189	0.95970
9	14	0	0.03710	0.04887	0.04636	0.05483	0.05870	0.06176	0.06567	0.07144	0.07223	0.06911
			0.06333	0.05716	0.05712	0.05255	0.05101	0.05079	0.04411	0.02685	0.01100	0.41496
9	14	1	0.01170	0.01664	0.02514	0.03191	0.03758	0.04585	0.05265	0.05714	0.07104	0.07157
			0.08122	0.08291	0.08681	0.08012	0.07752	0.06858	0.05633	0.03360	0.01170	0.58504
9	15	0	0.04147	0.05381	0.06208	0.07293	0.08186	0.09581	0.09825	0.09173	0.09733	0.08196
			0.06562	0.05226	0.04463	0.03060	0.01543	0.00693	0.00561	0.00167	0.00000	0.39192
9	15	1	0.00985	0.01467	0.01582	0.02111	0.02345	0.02451	0.03214	0.04460	0.05490	0.06320
			0.07907	0.08509	0.09374	0.09323	0.09945	0.09618	0.08068	0.04957	0.01876	0.60808
9	16	0	0.06581	0.08667	0.08464	0.09974	0.09396	0.09936	0.08860	0.07818	0.06989	0.06375
			0.04539	0.03917	0.03617	0.02331	0.01035	0.00871	0.00627	0.00000	0.00000	0.23396
9	16	1	0.00893	0.01270	0.01847	0.02361	0.03180	0.03812	0.04872	0.05846	0.07203	0.07263
			0.08248	0.08231	0.08619	0.08254	0.08368	0.07723	0.06500	0.04021	0.01489	0.76604

9	17	0	0.03259	0.04353	0.04801	0.05656	0.06378	0.07327	0.08205	0.08518	0.09436	0.08839
			0.07648	0.06626	0.05960	0.04719	0.03350	0.02590	0.01521	0.00681	0.00132	0.57755
9	17	1	0.00810	0.01152	0.01473	0.02072	0.02250	0.02399	0.02524	0.03285	0.04032	0.04616
			0.07014	0.08037	0.09485	0.09807	0.11166	0.10946	0.10054	0.06360	0.02521	0.42245
9	18	0	0.02188	0.02886	0.03335	0.04022	0.04558	0.05236	0.05863	0.06452	0.07424	0.07335
			0.07709	0.07491	0.07530	0.06910	0.06657	0.05823	0.04723	0.02842	0.01015	0.89929
9	18	1	0.02548	0.04026	0.03934	0.05215	0.05310	0.05328	0.05291	0.05010	0.04737	0.04553
			0.04441	0.04819	0.06723	0.06492	0.06605	0.08775	0.08724	0.05205	0.02266	0.10071
9	19	0	0.03994	0.06409	0.06097	0.06495	0.07896	0.08991	0.07873	0.07475	0.07831	0.06798
			0.06425	0.06194	0.06081	0.05089	0.03476	0.01710	0.00790	0.00236	0.00136	0.27843
9	19	1	0.01541	0.01686	0.02352	0.03234	0.03375	0.03799	0.05007	0.05856	0.06892	0.07154
			0.07748	0.07619	0.07977	0.07554	0.07877	0.07822	0.06799	0.04178	0.01529	0.72157
9	20	0	0.02457	0.03521	0.04144	0.04985	0.05560	0.06549	0.07231	0.07614	0.08409	0.08091
			0.07887	0.07311	0.07042	0.06284	0.05167	0.03874	0.02582	0.01156	0.00155	0.73725
9	20	1	0.01628	0.01543	0.01292	0.01777	0.02035	0.01587	0.01803	0.02640	0.03629	0.04148
			0.05957	0.06973	0.08590	0.08506	0.10818	0.12422	0.12263	0.08480	0.03908	0.26275
10	1	0	0.07074	0.08051	0.09361	0.09790	0.09956	0.11963	0.11877	0.09389	0.06696	0.04749
			0.03699	0.02676	0.01885	0.01818	0.01001	0.00000	0.00000	0.00000	0.00000	0.06046
10	1	1	0.01912	0.02673	0.03011	0.03779	0.04292	0.04813	0.05414	0.06109	0.07182	0.07203
			0.07617	0.07515	0.07807	0.07193	0.07016	0.06514	0.05456	0.03278	0.01214	0.93954
10	2	0	0.03974	0.03769	0.04379	0.03663	0.03724	0.04670	0.06490	0.05860	0.05228	0.06217
			0.09520	0.07516	0.07048	0.06807	0.06552	0.04208	0.04533	0.04059	0.01767	0.06457
10	2	1	0.02103	0.02948	0.03327	0.04175	0.04697	0.05285	0.05758	0.06338	0.07286	0.07113
			0.07239	0.07202	0.07477	0.06872	0.06659	0.06252	0.05167	0.03012	0.01098	0.93543
10	3	0	0.04563	0.05768	0.06037	0.09469	0.08918	0.09646	0.10287	0.09345	0.07199	0.06118
			0.04969	0.03514	0.03033	0.02280	0.02866	0.02017	0.01735	0.01554	0.00676	0.16872
10	3	1	0.01749	0.02439	0.02859	0.03061	0.03764	0.04352	0.04895	0.05690	0.07144	0.07245
			0.07869	0.07975	0.08345	0.07799	0.07420	0.06953	0.05814	0.03390	0.01235	0.83128
10	4	0	0.04804	0.05994	0.07025	0.08746	0.08896	0.08554	0.08846	0.08203	0.07181	0.05935
			0.05785	0.04780	0.03697	0.03086	0.03217	0.02211	0.01732	0.00969	0.00337	0.33829
10	4	1	0.00905	0.01471	0.01539	0.01788	0.02455	0.03553	0.04250	0.05338	0.07139	0.07627
			0.08195	0.08471	0.09367	0.08802	0.08408	0.08119	0.06861	0.04159	0.01552	0.66171

10	5	0	0.07344	0.09107	0.08227	0.08989	0.07948	0.07565	0.08300	0.07914	0.08021	0.07576
			0.06277	0.04273	0.03380	0.01814	0.01199	0.00897	0.00484	0.00433	0.00251	0.15142
10	5	1	0.01310	0.01911	0.02534	0.03277	0.04043	0.04831	0.05360	0.06020	0.06998	0.06962
			0.07577	0.07748	0.08175	0.07770	0.07625	0.07052	0.05954	0.03552	0.01300	0.84858
10	6	0	0.03858	0.05225	0.05832	0.06861	0.07108	0.07897	0.08482	0.08939	0.09564	0.08992
			0.08165	0.06481	0.04762	0.03186	0.01948	0.01022	0.00786	0.00563	0.00327	0.46567
10	6	1	0.00800	0.01063	0.01271	0.01772	0.02478	0.02934	0.03472	0.04013	0.05052	0.05367
			0.06696	0.07868	0.09791	0.10077	0.10751	0.10562	0.08908	0.05274	0.01851	0.53433
10	7	0	0.04494	0.05810	0.06216	0.07630	0.07760	0.07774	0.08718	0.08735	0.08863	0.07943
			0.07744	0.05791	0.04616	0.03280	0.02454	0.00975	0.00699	0.00313	0.00182	0.41877
10	7	1	0.00588	0.00977	0.01363	0.01629	0.02381	0.03423	0.03706	0.04557	0.05921	0.06415
			0.07118	0.08253	0.09490	0.09453	0.09677	0.09827	0.08316	0.05073	0.01832	0.58123
10	8	0	0.02557	0.03334	0.03947	0.04938	0.05547	0.06233	0.06783	0.07228	0.08154	0.07645
			0.07591	0.07452	0.07154	0.06160	0.05273	0.04574	0.03193	0.01714	0.00521	0.80280
10	8	1	0.00867	0.01645	0.01148	0.00901	0.00916	0.01223	0.01822	0.02559	0.03079	0.04654
			0.06519	0.06284	0.08650	0.09751	0.12265	0.12413	0.12997	0.08640	0.03664	0.19720
10	9	0	0.11273	0.12633	0.10168	0.09924	0.07933	0.05781	0.05737	0.05289	0.02425	0.04124
			0.04686	0.04516	0.04087	0.03949	0.02901	0.02441	0.00878	0.00786	0.00455	0.08347
10	9	1	0.01400	0.02124	0.02778	0.03615	0.04334	0.05196	0.05811	0.06400	0.07584	0.07322
			0.07625	0.07468	0.07755	0.07134	0.06994	0.06455	0.05513	0.03289	0.01203	0.91653
10	10	0	0.02736	0.03762	0.04525	0.05490	0.06258	0.07329	0.07850	0.08071	0.08635	0.07799
			0.07353	0.06466	0.06095	0.04922	0.04353	0.03371	0.02928	0.01468	0.00608	0.62517
10	10	1	0.01369	0.01731	0.01510	0.01894	0.01926	0.01769	0.02394	0.03365	0.04681	0.05814
			0.07458	0.08484	0.09708	0.10114	0.10487	0.10704	0.08792	0.05769	0.02029	0.37483
10	11	0	0.07934	0.08776	0.07871	0.07318	0.06511	0.06526	0.06478	0.04874	0.04168	0.04438
			0.02589	0.03338	0.05273	0.04246	0.05604	0.06310	0.04524	0.02028	0.01176	0.06470
10	11	1	0.01829	0.02602	0.03085	0.03922	0.04504	0.05156	0.05758	0.06406	0.07359	0.07236
			0.07711	0.07491	0.07599	0.07049	0.06725	0.06107	0.05168	0.03153	0.01139	0.93530
10	12	0	0.02437	0.03576	0.04023	0.04797	0.05392	0.06088	0.06469	0.06907	0.07774	0.07260
			0.07474	0.07205	0.07198	0.06486	0.05935	0.04933	0.03645	0.01864	0.00541	0.70313
10	12	1	0.01729	0.01640	0.01906	0.02591	0.02838	0.03249	0.04233	0.04886	0.05682	0.06569
			0.07157	0.07262	0.08045	0.07773	0.08351	0.08933	0.08633	0.05960	0.02562	0.29687

10	13	0	0.03330	0.04514	0.04432	0.05489	0.05707	0.06711	0.07155	0.07540	0.07651	0.06976
			0.07375	0.07110	0.06916	0.06342	0.05734	0.03645	0.02113	0.01081	0.00157	0.48512
10	13	1	0.01163	0.01575	0.02418	0.02873	0.03623	0.03864	0.04533	0.05145	0.06684	0.07129
			0.07385	0.07328	0.07951	0.07363	0.07517	0.08452	0.07965	0.04964	0.02068	0.51488
10	14	0	0.04182	0.05408	0.06162	0.07364	0.07757	0.08575	0.09044	0.08270	0.08699	0.07393
			0.06089	0.05030	0.04675	0.03175	0.02822	0.02267	0.01790	0.00874	0.00423	0.44996
10	14	1	0.00622	0.01032	0.01131	0.01506	0.02079	0.02521	0.03156	0.04701	0.05888	0.06779
			0.08437	0.09015	0.09718	0.09889	0.09785	0.09272	0.07855	0.04885	0.01729	0.55004
10	15	0	0.02320	0.03300	0.03991	0.04895	0.05387	0.06051	0.06575	0.06843	0.07688	0.07391
			0.07650	0.07091	0.07019	0.06483	0.05987	0.04796	0.03873	0.02133	0.00516	0.73730
10	15	1	0.01954	0.02161	0.01723	0.02028	0.02521	0.02983	0.03644	0.04802	0.05650	0.06112
			0.06596	0.07591	0.08657	0.07948	0.08518	0.09836	0.03642	0.05738	0.02896	0.26270
10	16	0	0.02659	0.03467	0.04104	0.04829	0.05379	0.06013	0.06589	0.07026	0.07779	0.07280
			0.07386	0.06911	0.06774	0.05978	0.05718	0.04932	0.04079	0.02207	0.00887	0.77203
10	16	1	0.00750	0.01423	0.00993	0.01817	0.02112	0.02644	0.03150	0.03873	0.05033	0.06292
			0.07358	0.08275	0.09728	0.09882	0.09816	0.10142	0.08673	0.06037	0.02002	0.22797
10	17	0	0.03829	0.04894	0.05506	0.06565	0.07028	0.07157	0.07688	0.07611	0.08012	0.07591
			0.07400	0.06189	0.05422	0.04919	0.03766	0.02515	0.02281	0.01403	0.00222	0.51378
10	17	1	0.00528	0.01001	0.01164	0.01582	0.02104	0.03224	0.03816	0.04929	0.06245	0.06489
			0.07358	0.08313	0.09590	0.08927	0.09701	0.09930	0.08133	0.04852	0.02112	0.48622
10	18	0	0.04143	0.05501	0.06305	0.07595	0.08017	0.09199	0.08987	0.08402	0.08009	0.07225
			0.05824	0.05221	0.04408	0.03859	0.02929	0.01976	0.01419	0.00794	0.00184	0.41287
10	18	1	0.00874	0.01243	0.01349	0.01714	0.02255	0.02465	0.03567	0.04834	0.06551	0.06936
			0.08474	0.08629	0.09588	0.08984	0.09270	0.09034	0.07733	0.04688	0.01814	0.58713
10	19	0	0.02261	0.03272	0.04015	0.04857	0.05191	0.06207	0.06494	0.06581	0.07041	0.06863
			0.06922	0.06899	0.07199	0.06727	0.06394	0.05676	0.04381	0.02279	0.00741	0.71880
10	19	1	0.02129	0.02307	0.01811	0.02314	0.03210	0.02787	0.04044	0.05607	0.07440	0.07547
			0.08550	0.08049	0.08087	0.07229	0.07312	0.07254	0.07031	0.05127	0.02164	0.28120
10	20	0	0.02927	0.03939	0.03872	0.04809	0.05062	0.05501	0.06058	0.06744	0.07504	0.07605
			0.07811	0.07374	0.07296	0.06423	0.05777	0.04848	0.03654	0.02149	0.00651	0.70141
10	20	1	0.00573	0.00815	0.02274	0.02576	0.03628	0.04644	0.05210	0.05281	0.06329	0.05763
			0.06367	0.06859	0.07808	0.07912	0.08708	0.09108	0.08584	0.05267	0.02293	0.29859

11	1	0	0.02645	0.03605	0.04102	0.04766	0.05229	0.05904	0.06461	0.06763	0.07797	0.07503	
			0.07621	0.07048	0.07283	0.06406	0.05838	0.04812	0.03751	0.01885	0.00579	0.81679	
11	1	1	0.00347	0.00310	0.00241	0.01361	0.01983	0.02307	0.02880	0.04272	0.04283	0.05056	
			0.06304	0.07998	0.08189	0.08926	0.10283	0.11952	0.11256	0.08406	0.03646	0.18321	
11	2	0	0.06350	0.07922	0.09034	0.09726	0.09762	0.09723	0.09535	0.08695	0.08303	0.06169	
			0.04768	0.02614	0.01608	0.01362	0.01469	0.01122	0.01178	0.00512	0.00139	0.20013	
11	2	1	0.01192	0.01770	0.01984	0.02745	0.03351	0.04125	0.04872	0.05710	0.06865	0.07277	
			0.08033	0.08374	0.08910	0.08245	0.07949	0.07370	0.06114	0.03722	0.01392	0.79987	
11	3	0	0.02828	0.03577	0.03925	0.04657	0.05087	0.05648	0.06236	0.06869	0.07686	0.07554	
			0.07784	0.07213	0.07233	0.06574	0.05831	0.04837	0.03891	0.01990	0.00599	0.69654	
11	3	1	0.00838	0.01679	0.02179	0.02960	0.03593	0.04321	0.04815	0.05017	0.05930	0.05956	
			0.06452	0.07242	0.07946	0.07543	0.08536	0.09065	0.07961	0.05582	0.02384	0.30346	
11	4	0	0.03395	0.04473	0.05020	0.05797	0.06756	0.06683	0.07357	0.08185	0.09220	0.08297	
			0.08748	0.07539	0.06350	0.04559	0.03419	0.02347	0.01368	0.00358	0.00129	0.43043	
11	4	1	0.01339	0.01889	0.02167	0.02891	0.03031	0.04159	0.04632	0.04888	0.05591	0.06116	
			0.06346	0.06983	0.08280	0.08613	0.09096	0.08971	0.07966	0.05137	0.01905	0.56957	
11	5	0	0.02545	0.03473	0.03973	0.04872	0.05459	0.06141	0.06605	0.07023	0.07682	0.07450	
			0.07477	0.07270	0.07244	0.06686	0.05600	0.04779	0.03466	0.01799	0.00453	0.79897	
11	5	1	0.00948	0.01127	0.01096	0.01240	0.01355	0.01683	0.02625	0.03460	0.05049	0.05485	
			0.06993	0.07030	0.08263	0.07591	0.10833	0.11449	0.11724	0.08171	0.03876	0.20103	
11	6	0	0.03517	0.04323	0.04797	0.05619	0.05723	0.05974	0.06663	0.07057	0.08192	0.08079	
			0.08240	0.07591	0.06750	0.05098	0.04157	0.03643	0.02474	0.01568	0.00531	0.52393	
11	6	1	0.00801	0.01544	0.01852	0.02516	0.03435	0.04442	0.04860	0.05482	0.06010	0.05928	
			0.06433	0.06816	0.08218	0.08816	0.09398	0.08846	0.08044	0.04744	0.01812	0.47607	
11	7	0	0.03523	0.04709	0.05270	0.05879	0.06375	0.06961	0.07173	0.07385	0.07995	0.07028	
			0.07045	0.05984	0.05571	0.04910	0.04589	0.03793	0.03266	0.01868	0.00675	0.57724	
11	7	1	0.00451	0.00669	0.00834	0.01770	0.02257	0.02902	0.03937	0.04835	0.06003	0.07092	
			0.07838	0.08912	0.10013	0.09541	0.09469	0.09297	0.07665	0.04736	0.01777	0.42276	
11	8	0	0.02544	0.03437	0.03872	0.04640	0.05280	0.05681	0.06029	0.06628	0.07390	0.07117	
			0.07650	0.07569	0.07544	0.06757	0.06234	0.05075	0.03880	0.01989	0.00683	0.77437	
11	8	1	0.01127	0.01506	0.01759	0.02432	0.02415	0.03750	0.05038	0.05205	0.06340	0.06841	
			0.06453	0.06030	0.07124	0.07248	0.08087	0.09705	0.09401	0.06825	0.02714	0.22563	

11	9	0	0.05257	0.06417	0.07268	0.08226	0.08113	0.07989	0.08644	0.08514	0.07608	0.07116	
			0.07930	0.05571	0.04050	0.03370	0.02022	0.00771	0.00607	0.00352	0.00191	0.29119	
11	9	1	0.00986	0.01598	0.01804	0.02464	0.03205	0.04118	0.04639	0.05400	0.06966	0.07030	
			0.07154	0.07900	0.08846	0.08305	0.08554	0.08317	0.06982	0.04201	0.01531	0.70881	
11	10	0	0.02701	0.03610	0.04284	0.05152	0.06000	0.06678	0.07087	0.07329	0.08196	0.07497	
			0.07622	0.07130	0.06996	0.06041	0.05005	0.04006	0.02862	0.01403	0.00380	0.65874	
11	10	1	0.01303	0.01825	0.01679	0.02193	0.01997	0.02479	0.03331	0.04334	0.05139	0.06202	
			0.06914	0.07360	0.08323	0.08465	0.09832	0.10200	0.09496	0.06318	0.02610	0.34126	
11	11	0	0.04311	0.05824	0.06568	0.07317	0.07457	0.08238	0.08085	0.08282	0.08989	0.08781	
			0.07801	0.06528	0.05594	0.03579	0.01546	0.00983	0.00516	0.00000	0.00000	0.45694	
11	11	1	0.00468	0.00626	0.00893	0.01471	0.02259	0.02727	0.03887	0.04646	0.05608	0.05603	
			0.07026	0.07806	0.09178	0.09636	0.10948	0.10442	0.09005	0.05672	0.02101	0.54306	
11	12	0	0.03769	0.04723	0.05149	0.06105	0.06316	0.06665	0.07299	0.07176	0.07527	0.07029	
			0.06887	0.05627	0.05961	0.04951	0.04583	0.04059	0.03495	0.01903	0.00774	0.53947	
11	12	1	0.00414	0.00983	0.01340	0.01842	0.02664	0.03582	0.04055	0.05289	0.06715	0.07085	
			0.07958	0.09091	0.09192	0.09114	0.09075	0.08534	0.07037	0.04459	0.01571	0.46053	
11	13	0	0.05310	0.07267	0.07764	0.08489	0.08814	0.09089	0.08845	0.08829	0.08678	0.06976	
			0.06593	0.04529	0.03199	0.02277	0.01406	0.00838	0.00704	0.00306	0.00083	0.33505	
11	13	1	0.00669	0.00852	0.01194	0.01952	0.02528	0.03308	0.04273	0.05036	0.06384	0.07095	
			0.07777	0.08579	0.09590	0.09181	0.09295	0.08781	0.07354	0.04478	0.01674	0.66495	
11	14	0	0.05313	0.07019	0.07372	0.08633	0.08645	0.08293	0.08544	0.08653	0.08249	0.07501	
			0.07526	0.04978	0.03709	0.02671	0.01187	0.00648	0.00680	0.00296	0.00080	0.34686	
11	14	1	0.00584	0.00867	0.01283	0.01757	0.02504	0.03627	0.04351	0.05061	0.06571	0.06818	
			0.07303	0.08413	0.09435	0.09097	0.09554	0.09026	0.07487	0.04559	0.01704	0.65314	
11	15	0	0.03152	0.04164	0.04977	0.05719	0.06061	0.06367	0.06943	0.06994	0.08051	0.07767	
			0.08072	0.07429	0.06967	0.05873	0.04732	0.03457	0.02116	0.00966	0.00190	0.58466	
11	15	1	0.00918	0.01363	0.01168	0.01923	0.02625	0.03666	0.04203	0.05341	0.05888	0.06052	
			0.06406	0.06931	0.08128	0.08268	0.09355	0.09868	0.09362	0.06056	0.02479	0.41534	
11	16	0	0.02217	0.03033	0.03571	0.04477	0.05037	0.05692	0.06372	0.06991	0.07877	0.07691	
			0.08194	0.07759	0.07411	0.06655	0.05721	0.04897	0.03670	0.02110	0.00624	0.80266	
11	16	1	0.02254	0.02870	0.02680	0.02781	0.02994	0.03429	0.03498	0.03525	0.04208	0.04469	
			0.04069	0.05039	0.07602	0.07733	0.10439	0.11096	0.11047	0.07023	0.03244	0.19734	

11	17	0	0.03290	0.04123	0.04709	0.05572	0.06102	0.06502	0.06832	0.07320	0.07990	0.07635	
			0.07556	0.07537	0.06850	0.05734	0.04477	0.03907	0.02384	0.01163	0.00315	0.61797	
11	17	1	0.00499	0.01185	0.01270	0.01829	0.02260	0.03211	0.04144	0.04669	0.05799	0.06116	
			0.07095	0.06713	0.08417	0.08703	0.10170	0.09700	0.09561	0.06181	0.02477	0.38203	
11	18	0	0.03176	0.04374	0.04808	0.05593	0.05986	0.06663	0.07071	0.07774	0.08457	0.08081	
			0.08060	0.06896	0.06332	0.05366	0.04369	0.03231	0.02498	0.01011	0.00253	0.66025	
11	18	1	0.00374	0.00333	0.00640	0.01322	0.02006	0.02490	0.03345	0.03457	0.04619	0.05060	
			0.06058	0.07856	0.09621	0.09786	0.11090	0.11734	0.10232	0.07101	0.02867	0.33975	
11	19	0	0.02238	0.02920	0.03550	0.04206	0.04686	0.05480	0.06026	0.06456	0.07546	0.07210	
			0.07452	0.07241	0.07348	0.06445	0.06516	0.05862	0.04891	0.02841	0.01085	0.79500	
11	19	1	0.02170	0.03314	0.02795	0.03895	0.04433	0.04334	0.04950	0.05729	0.05628	0.06453	
			0.07103	0.07148	0.07841	0.08509	0.07178	0.07120	0.06036	0.04007	0.01357	0.20500	
11	20	0	0.02293	0.03338	0.03840	0.04814	0.05417	0.06233	0.06634	0.07168	0.08037	0.07916	
			0.07802	0.07431	0.07464	0.06426	0.05205	0.04513	0.03394	0.01582	0.00485	0.74645	
11	20	1	0.02005	0.02010	0.02084	0.02165	0.02330	0.02335	0.03363	0.03773	0.04550	0.04522	
			0.06139	0.06605	0.07398	0.08170	0.10911	0.10850	0.10224	0.07491	0.03073	0.25355	
12	1	0	0.05497	0.06751	0.07439	0.07890	0.08088	0.08648	0.08555	0.07556	0.08217	0.07099	
			0.06075	0.05283	0.04370	0.02844	0.02189	0.01857	0.00849	0.00590	0.00198	0.19875	
12	1	1	0.01412	0.02071	0.02392	0.03212	0.03777	0.04401	0.05123	0.05997	0.06889	0.07044	
			0.07704	0.07703	0.08213	0.07866	0.07759	0.07177	0.06187	0.03698	0.01375	0.80125	
12	2	0	0.02843	0.03766	0.04274	0.05157	0.05741	0.06438	0.06979	0.07540	0.08413	0.08085	
			0.08073	0.07367	0.07170	0.05647	0.04731	0.03801	0.02676	0.00992	0.00307	0.76871	
12	2	1	0.00168	0.00458	0.00474	0.00768	0.00954	0.01281	0.01902	0.02209	0.02966	0.03633	
			0.05076	0.06741	0.08377	0.10927	0.13037	0.13828	0.13269	0.10019	0.03912	0.23129	
12	3	0	0.03838	0.04845	0.05573	0.06970	0.07715	0.08065	0.08516	0.08175	0.08218	0.07347	
			0.06906	0.05894	0.05195	0.04149	0.03271	0.02602	0.01620	0.00872	0.00225	0.43720	
12	3	1	0.00971	0.01568	0.01703	0.01945	0.02240	0.03054	0.03699	0.04856	0.06326	0.06828	
			0.07748	0.08254	0.09200	0.08980	0.09278	0.08853	0.07849	0.04795	0.01853	0.56280	
12	4	0	0.02627	0.03367	0.03846	0.04772	0.05438	0.05985	0.06579	0.07034	0.07879	0.07705	
			0.07857	0.07586	0.07543	0.06213	0.05406	0.04658	0.03311	0.01646	0.00552	0.71299	
12	4	1	0.01224	0.02091	0.02289	0.02577	0.02637	0.03406	0.03881	0.04500	0.05348	0.05440	
			0.06194	0.06318	0.07215	0.08495	0.09748	0.09751	0.09636	0.06643	0.02605	0.28701	

12	5	0	0.02989	0.03888	0.04370	0.05524	0.06389	0.06716	0.07346	0.07717	0.08288	0.07762
			0.07709	0.07312	0.06770	0.05456	0.04415	0.03779	0.02206	0.01077	0.00283	0.62658
12	5	1	0.00940	0.01512	0.01752	0.01822	0.01689	0.02777	0.03219	0.03940	0.05249	0.05868
			0.06828	0.07071	0.08588	0.09236	0.10405	0.10048	0.10025	0.06442	0.02581	0.37342
12	6	0	0.03117	0.03959	0.04374	0.05272	0.05714	0.06327	0.06845	0.07058	0.07777	0.07701
			0.07419	0.06940	0.06978	0.05845	0.05061	0.04393	0.03160	0.01577	0.00484	0.65103
12	6	1	0.00559	0.01214	0.01569	0.02034	0.02620	0.03227	0.03864	0.04905	0.05989	0.05851
			0.07307	0.07748	0.08327	0.08776	0.09621	0.09342	0.08794	0.05884	0.02368	0.34897
12	7	0	0.03833	0.04843	0.05380	0.06472	0.06895	0.07141	0.07663	0.08017	0.08234	0.08069
			0.07898	0.06723	0.05697	0.04464	0.03342	0.02623	0.01688	0.00761	0.00255	0.53945
12	7	1	0.00339	0.00843	0.01070	0.01413	0.01985	0.03024	0.03629	0.04304	0.05886	0.05867
			0.06774	0.07806	0.09501	0.09684	0.10529	0.10216	0.09154	0.05796	0.02178	0.46055
12	8	0	0.02789	0.03925	0.04566	0.05686	0.06509	0.07342	0.07916	0.08395	0.09442	0.08725
			0.08578	0.07630	0.06473	0.04486	0.03456	0.02443	0.01125	0.00419	0.00094	0.62963
12	8	1	0.01264	0.01430	0.01404	0.01518	0.01446	0.01680	0.02216	0.02757	0.03262	0.04215
			0.05344	0.06528	0.09100	0.10917	0.12086	0.12372	0.11927	0.07603	0.02921	0.37037
12	9	0	0.02981	0.03982	0.04333	0.05221	0.05792	0.06253	0.06614	0.07157	0.07724	0.07318
			0.07506	0.07177	0.06745	0.05733	0.05428	0.04475	0.03190	0.01761	0.00608	0.54973
12	9	1	0.01300	0.01804	0.02250	0.02825	0.03220	0.04014	0.04818	0.05269	0.06456	0.06734
			0.07226	0.07277	0.08308	0.08253	0.08146	0.08128	0.07490	0.04690	0.01791	0.45027
12	10	0	0.03869	0.04991	0.05487	0.06679	0.06984	0.07128	0.07547	0.07667	0.08475	0.07791
			0.07644	0.06444	0.05991	0.04202	0.03541	0.02790	0.01921	0.00681	0.00166	0.47397
12	10	1	0.00742	0.01208	0.01510	0.01856	0.02517	0.03549	0.04235	0.05081	0.05961	0.06392
			0.07143	0.07923	0.08763	0.09270	0.09455	0.09120	0.08014	0.05242	0.02019	0.52603
12	11	0	0.03306	0.04602	0.05294	0.06492	0.07328	0.07984	0.08344	0.08222	0.08799	0.07432
			0.07143	0.06221	0.05515	0.04069	0.03512	0.02807	0.01685	0.00828	0.00214	0.46027
12	11	1	0.01301	0.01635	0.01776	0.02138	0.02336	0.02910	0.03640	0.04674	0.05749	0.06563
			0.07582	0.08075	0.09098	0.09255	0.09330	0.08945	0.08060	0.05000	0.01932	0.53973
12	12	0	0.02474	0.03405	0.03891	0.04881	0.05481	0.06054	0.06659	0.07165	0.07958	0.07809
			0.08088	0.07630	0.07545	0.06339	0.05444	0.04410	0.03038	0.01377	0.00350	0.78804
12	12	1	0.01288	0.01499	0.01550	0.01395	0.01487	0.02237	0.02629	0.03118	0.04161	0.04250
			0.04740	0.05704	0.07092	0.08836	0.11144	0.12479	0.12887	0.09410	0.04084	0.21196

12	13	0	0.02484	0.03395	0.03878	0.04844	0.05612	0.06276	0.06971	0.07415	0.08148	0.07724		
			0.07976	0.07358	0.07535	0.06142	0.05452	0.04316	0.02980	0.01334	0.00358	0.76960		
12	13	1	0.01355	0.01685	0.01783	0.01798	0.01368	0.01801	0.01910	0.02606	0.03828	0.04820		
			0.05388	0.06767	0.07830	0.09291	0.10659	0.12147	0.12294	0.08912	0.03757	0.23040		
12	14	0	0.03157	0.04228	0.04563	0.05505	0.06121	0.06905	0.07306	0.07825	0.08457	0.07918		
			0.07654	0.06744	0.06162	0.04956	0.04275	0.03583	0.02674	0.01424	0.00541	0.61798		
12	14	1	0.00715	0.01017	0.01505	0.01936	0.02228	0.02559	0.03376	0.03852	0.05044	0.05659		
			0.06937	0.07995	0.09531	0.09962	0.10496	0.10224	0.09092	0.05759	0.02111	0.38202		
12	15	0	0.04796	0.06258	0.06418	0.07866	0.07660	0.07625	0.07543	0.06954	0.06630	0.06866		
			0.06329	0.05275	0.05443	0.04504	0.03465	0.02901	0.02120	0.01006	0.00337	0.34979		
12	15	1	0.00840	0.01249	0.01768	0.02139	0.03006	0.03965	0.04870	0.05959	0.07435	0.07157		
			0.07945	0.08269	0.08528	0.08140	0.08367	0.07852	0.06743	0.04196	0.01573	0.65021		
12	16	0	0.03879	0.04933	0.05076	0.06200	0.06691	0.07086	0.07168	0.07343	0.07547	0.06938		
			0.06390	0.05899	0.06102	0.05032	0.04509	0.04048	0.03172	0.01498	0.00476	0.37218		
12	16	1	0.01243	0.01856	0.02398	0.02922	0.03415	0.04154	0.04997	0.05693	0.06919	0.07124		
			0.07962	0.08004	0.08247	0.07956	0.07922	0.07348	0.06284	0.04018	0.01535	0.62782		
12	17	0	0.02921	0.03964	0.04440	0.05583	0.06292	0.07163	0.07727	0.08337	0.08812	0.08287		
			0.07795	0.06896	0.06251	0.05007	0.04120	0.03261	0.02104	0.00823	0.00215	0.64124		
12	17	1	0.00979	0.01279	0.01526	0.01567	0.01670	0.01817	0.02370	0.02679	0.04187	0.04853		
			0.06638	0.07805	0.09591	0.10194	0.11177	0.11230	0.10527	0.07114	0.02797	0.35876		
12	18	0	0.03409	0.04674	0.05179	0.06547	0.07512	0.08015	0.08318	0.08692	0.09143	0.08291		
			0.08185	0.06740	0.05560	0.03880	0.02763	0.01629	0.00957	0.00333	0.00112	0.52870		
12	18	1	0.00828	0.01124	0.01394	0.01444	0.01405	0.02138	0.02986	0.03632	0.04920	0.05669		
			0.06476	0.07763	0.09568	0.10220	0.11015	0.11158	0.09803	0.06162	0.02296	0.47130		
12.	19	0	0.03456	0.04170	0.04924	0.05638	0.06177	0.07160	0.08186	0.08547	0.09119	0.08623		
			0.08014	0.06661	0.05649	0.04550	0.03337	0.02808	0.01902	0.00866	0.00211	0.37252		
12	19	1	0.01493	0.02307	0.02487	0.03254	0.03718	0.04108	0.04392	0.04977	0.05986	0.06124		
			0.07004	0.07553	0.08518	0.08244	0.08620	0.08086	0.07040	0.04394	0.01693	0.62748		
12	20	0	0.04551	0.06321	0.06832	0.08426	0.09150	0.09324	0.09304	0.08799	0.08683	0.07247		
			0.06642	0.04747	0.03987	0.02580	0.01855	0.01001	0.00549	0.00000	0.00000	0.36866		
12	20	1	0.00865	0.01062	0.01388	0.01640	0.01997	0.02863	0.03762	0.04852	0.06260	0.06943		
			0.07811	0.08668	0.09471	0.09372	0.09453	0.09109	0.07799	0.04879	0.01807	0.63134		

ANNEX X

Tail Location P-values and Tail Discrimination PMD-values

Explanation

See next page

ANNEX X - EXPLANATION

This Annex gives the P-values (P2, P4, P8 and P16) and the PMD-values (PMD2, PMD4, PMD8 and PMD16) for the 240 pool items. The Annex is first referred to on p. 136. Each item record occupies two lines. The first two entries in the first line of each pair are the test number and item number. The remainder of the first line then gives the eight wrong-curve indices and the second line gives the eight right-curve indices. The eight indices are listed in the following order:-

P16 PMD16 P8 PMD8 P4 PMD4 P2 PMD2

1	1	15.0342	0.7346	13.5085	1.5160	8.8047	4.4461	6.2484	4.0286
		2.8057	1.0670	4.5243	1.8036	7.0624	2.7736	10.7428	4.1051
1	2	14.6635	1.3024	13.2375	1.7078	10.9435	2.5348	7.2051	4.0646
		3.6665	1.3557	5.2703	1.8509	7.7050	2.7264	11.2479	3.9958
1	3	15.5194	1.1992	13.7139	1.9371	10.9013	3.0696	7.3549	4.0900
		3.3911	1.2758	5.0493	1.8656	7.6017	2.8114	11.1760	4.0377
1	4	14.2764	1.3595	12.3591	2.0956	8.5475	3.8379	4.8726	4.5404
		3.7934	1.3726	5.4687	1.9219	7.7668	2.6521	11.1500	3.8373
1	5	13.2417	1.3240	11.5353	1.9263	9.4319	2.5209	6.3586	3.5468
		4.3710	1.5212	6.0902	2.0170	8.4936	2.7799	11.8346	3.8700
1	6	13.9978	1.5163	12.3822	1.9530	10.0332	2.6936	6.5083	3.9456
		4.1012	1.4677	5.8691	2.0268	8.2504	2.7612	11.6306	3.8925
1	7	12.5463	2.2773	9.7136	3.0100	7.2178	3.3906	4.1575	3.9448
		3.3137	1.2560	4.9391	1.8216	7.3576	2.6928	10.9336	3.9974
1	8	15.5117	1.3898	13.5773	2.1294	10.8851	3.0444	6.2848	4.9099
		3.3564	1.2264	5.0077	1.8276	7.3884	2.6672	10.9478	3.9691
1	9	15.1590	1.3829	12.9101	2.3603	9.0869	3.9063	5.7958	4.3413
		4.1731	1.4754	5.9278	2.0243	8.2751	2.7313	11.4846	3.7420
1	10	15.8521	1.0872	14.5722	1.4860	12.7050	2.1277	9.4881	3.4595
		3.5041	1.4381	5.7066	2.3311	8.6293	3.2979	12.5758	4.5694
1	11	13.9432	0.8695	12.7409	1.3378	10.7443	2.1539	4.7551	5.4876
		3.2188	1.1911	4.8467	1.7916	7.2157	2.6395	10.8097	3.9863
1	12	14.8873	1.0905	13.5681	1.5150	11.6932	2.1571	8.5726	3.3966
		4.3413	1.6820	6.4291	2.3788	9.0616	3.1071	12.6967	4.2279
1	13	13.0717	1.2867	11.6906	1.6692	9.6269	2.3480	6.5335	3.5010
		4.3972	1.4521	6.1244	1.9967	8.4999	2.7446	11.9063	3.8924
1	14	16.7360	0.9405	15.4775	1.4045	13.3734	2.2699	9.9940	3.6582
		3.5301	1.2476	5.0359	1.7385	7.3413	2.5658	11.2481	4.1751
1	15	12.5643	1.6916	9.9413	2.7404	7.7946	2.9282	4.7353	3.7324
		3.6790	1.2736	5.2592	1.8081	7.6528	2.6677	11.1383	3.9114

1	16	11.5057	2.2806	8.4399	3.3013	5.9191	3.4404	3.4812	3.4953
		4.2019	1.3131	5.7390	1.7854	7.9197	2.4989	11.2316	3.7091
1	17	15.5649	1.1931	14.2411	1.5739	12.2524	2.2578	9.0306	3.5168
		4.4036	1.5618	6.3099	2.1932	9.1448	3.1576	12.8215	4.2659
1	18	14.3032	0.9996	13.0805	1.4050	11.1468	2.1251	8.2359	3.2220
		4.6840	1.8248	7.5622	3.0349	10.3691	3.5242	13.4912	4.0427
1	19	14.2672	1.1736	12.8468	1.6356	10.3860	2.6513	7.0595	3.7496
		4.1142	1.5012	6.1637	2.2435	8.6724	2.9560	11.9077	3.8805
1	20	16.3490	1.0352	15.1565	1.3977	13.1861	2.1649	9.6348	3.7548
		4.5365	1.6441	6.5066	2.2604	8.8556	2.8587	12.2113	3.9298
2	1	14.9158	1.0062	13.3818	1.6440	9.7985	3.5663	5.5702	4.8659
		3.5439	1.2955	5.1634	1.8490	7.5436	2.6737	11.0249	3.9137
2	2	16.3113	1.1212	14.8097	1.6941	11.3731	3.4759	7.0156	4.8557
		2.9930	1.1103	4.6480	1.7735	7.0776	2.6815	10.7590	4.0621
2	3	13.5735	1.4303	12.0581	1.8244	9.8633	2.5506	6.1483	4.0766
		3.5471	1.3061	5.1634	1.8439	7.5266	2.6658	11.1110	3.9893
2	4	13.2427	2.0498	11.0063	2.6757	8.6973	2.9782	5.9204	3.5279
		4.1286	1.5352	6.0564	2.1781	8.4945	2.8726	11.7254	3.8282
2	5	11.2033	1.9433	9.5644	2.1626	7.9188	2.2917	5.3482	3.0479
		4.1602	1.4770	5.9902	2.0726	8.4028	2.8084	11.6720	3.8246
2	6	15.2910	1.2472	13.8756	1.6598	11.9392	2.2569	8.8929	3.3912
		4.5477	1.7647	6.9763	2.6938	10.0215	3.5415	13.5279	4.3148
2	7	12.1340	1.4525	10.5483	1.8874	8.5771	2.3846	5.7742	3.2707
		3.8200	1.4265	5.7331	2.1116	8.1741	2.8482	11.5802	3.9441
2	8	11.6021	3.7892	9.7129	3.2201	7.7007	3.0983	4.5305	3.8622
		4.0201	1.4080	5.6871	1.9190	7.9557	2.6312	11.3570	3.8326
2	9	13.6657	1.4402	12.2717	1.7388	10.3757	2.2596	7.7764	3.0724
		3.9175	1.5149	6.0155	2.3124	8.9764	3.3095	12.5599	4.2659
2	10	16.7593	0.9362	15.5493	1.3635	13.5960	2.1382	10.2377	3.5806
		3.9805	1.5884	6.5957	2.7745	10.4781	4.1407	14.1740	4.7293

2	11	12.7271	1.7939	10.5194	2.5352	8.2193	2.9256	4.6290	4.1100
		3.7087	1.3065	5.3151	1.8365	7.6474	2.6387	11.1430	3.9073
2	12	11.8417	1.9363	10.1192	2.2376	7.6046	3.0020	4.4392	3.7746
		4.3768	1.4703	5.9452	1.8819	8.1132	2.5352	11.4456	3.7433
2	13	12.0252	1.6332	10.2236	2.1255	7.9748	2.7290	4.6799	3.7614
		4.5506	1.4913	6.0660	1.8608	8.2488	2.5362	11.5547	3.7222
2	14	13.1090	1.8808	11.3336	2.2276	9.4103	2.5134	6.2821	3.6065
		4.0036	1.3553	5.6148	1.8619	8.0099	2.6958	11.5401	3.9574
2	15	16.5386	1.0331	15.0081	1.6383	12.7264	2.5003	9.2623	3.8119
		3.8375	1.3746	5.5902	1.9035	8.1765	2.8834	11.9146	4.1922
2	16	15.9971	0.9820	14.7910	1.3859	12.8064	2.1638	9.1913	3.8061
		3.8066	1.4245	5.6936	2.0970	8.0099	2.7596	11.4722	3.9439
2	17	16.9816	0.8947	15.8102	1.3117	13.8357	2.1264	10.4467	3.5919
		3.5107	1.3554	5.0936	1.8496	7.5715	2.7564	11.9371	4.6255
2	18	16.2358	1.0540	14.9115	1.5048	12.9378	2.2026	9.6876	3.5283
		3.8915	1.4310	6.2976	2.5122	9.6534	3.6953	13.5684	4.6975
2	19	16.4936	1.0260	15.1703	1.4904	13.1738	2.2198	9.8888	3.5584
		3.7773	1.5632	6.4267	2.7177	9.5914	3.6449	13.5463	4.6735
2	20	15.0169	1.3824	13.4058	1.8669	11.2588	2.5125	8.2949	3.4582
		5.0907	1.9945	7.4320	2.7247	10.0758	3.2885	13.2094	3.9183
3	1	16.1969	1.1044	14.9150	1.4864	12.7686	2.3407	8.9192	4.0348
		3.0017	1.1491	4.7458	1.8597	7.3221	2.8256	10.9727	4.1103
3	2	10.8224	2.8997	8.9816	2.8060	6.6631	3.0736	4.3866	3.1894
		3.7134	1.3849	5.5113	2.0177	7.8204	2.7075	11.2219	3.8797
3	3	16.9190	0.7655	15.7762	1.2173	13.6325	2.2198	4.8388	7.1124
		3.0492	1.1337	4.6788	1.7637	7.0982	2.6661	10.7226	4.0166
3	4	16.3338	1.0550	15.0640	1.4603	13.0978	2.1800	9.8342	3.5391
		3.9892	1.2575	5.6949	1.8886	7.9754	2.6341	11.7942	4.1625
3	5	12.3664	1.7831	10.8502	1.9737	9.0080	2.3363	6.3424	3.1424
		5.4698	1.8059	7.2806	2.2362	9.4990	2.7302	12.5381	3.6061

3	6	13.8947	1.2726	12.5131	1.6478	10.6087	2.2255	7.6343	3.3274
		7.1853	1.7417	8.7632	2.0173	10.8224	2.5231	13.6267	3.3193
3	7	12.8118	1.6408	10.6185	2.4270	8.2421	2.9503	5.3708	3.5478
		3.9297	1.4314	5.6713	1.9965	8.0576	2.7406	11.4167	3.8603
3	8	16.0136	1.0163	14.6776	1.4955	12.7962	2.1320	9.5662	3.4752
		4.2862	1.7046	6.4951	2.4497	9.1555	3.1784	13.1296	4.5059
3	9	16.3928	0.9925	15.1777	1.3937	13.3246	2.0654	10.2691	3.3174
		2.9969	1.0472	4.4757	1.6053	6.9297	2.6573	12.3287	5.3958
3	10	15.2796	1.6438	12.8507	2.5935	9.6268	3.6541	5.8964	4.5559
		4.0861	1.3603	5.7966	1.9346	8.0940	2.6504	11.4185	3.7887
3	11	11.4022	1.4058	10.5640	1.3315	9.2395	1.6529	6.7011	2.7375
		2.9231	1.1069	4.5776	1.7718	7.0627	2.7211	10.8111	4.1338
3	12	14.9326	1.6118	12.7488	2.3971	10.3193	2.9390	7.4236	3.6138
		4.7092	1.6940	6.7619	2.3580	9.3473	3.0481	12.5155	3.8430
3	13	13.3410	1.6826	11.6500	2.0737	9.6562	2.5111	6.6019	3.5136
		4.3925	1.5616	6.1058	2.0038	8.6366	2.8444	11.9723	3.9014
3	14	14.8376	1.5370	13.1223	2.0165	10.6713	2.8010	7.2543	3.9268
		3.8712	1.4014	5.7222	2.0632	8.2097	2.8566	11.6593	3.9836
3	15	12.8760	1.5539	10.2953	2.7432	7.8998	3.0720	5.0895	3.5662
		3.5084	1.3006	5.1866	1.8988	7.6361	2.7453	11.1153	3.9457
3	16	14.2354	1.8928	12.2697	2.3448	10.0026	2.8240	6.5227	4.0626
		3.6508	1.3220	5.2898	1.8741	7.6854	2.6951	11.2771	4.0047
3	17	16.1329	1.0882	14.7373	1.5704	12.6352	2.3279	9.3008	3.6544
		5.6710	2.1406	7.3824	2.3172	9.7896	2.9295	13.2809	4.0274
3	18	15.9299	1.1599	14.3822	1.7275	12.1923	2.4647	8.8991	3.6650
		5.7372	2.4111	8.0927	2.9005	10.6153	3.2778	13.5743	3.8150
3	19	14.8192	1.1485	13.4824	1.5555	11.5589	2.2075	8.2247	3.5827
		4.4521	1.6005	6.4677	2.2885	8.8772	2.9148	12.3675	4.0503
3	20	14.2114	1.6337	12.4325	2.1250	10.3267	2.6012	7.3949	3.4789
		4.2108	1.4928	6.1459	2.1610	8.6621	2.9350	12.1203	4.0166

4	1	16.9691	0.9476	15.4995	1.5881	12.4777	3.0586	8.3576	4.5331
		3.0118	1.1266	4.6821	1.7927	7.1152	2.6920	10.8093	4.0801
4	2	15.4356	1.3392	14.2295	1.5643	12.1823	2.3081	8.5134	3.9151
		2.9706	1.1081	4.5971	1.7512	7.0486	2.6840	10.7561	4.0835
4	3	14.6351	1.8812	12.4531	2.3002	10.7232	2.4685	7.9199	3.3421
		3.0496	1.1366	4.6775	1.7635	7.1098	2.6771	10.8588	4.1158
4	4	16.1952	1.1351	14.7714	1.6161	12.6886	2.3372	9.3899	3.6267
		4.0607	1.7329	6.7881	2.8716	9.7035	3.5510	13.2859	4.3917
4	5	12.6158	1.2419	11.2682	1.6183	9.5084	2.0903	6.7870	3.0928
		5.1137	1.5490	6.9282	2.0988	9.3444	2.8176	12.5888	3.7897
4	6	14.3131	1.4935	12.6950	1.9354	10.4642	2.5880	7.4148	3.5672
		5.2408	1.7598	7.1001	2.2397	9.4460	2.8311	12.6384	3.7570
4	7	11.4794	1.7508	10.0978	1.8946	8.1186	2.4003	4.7957	3.6859
		3.9842	1.3366	5.5762	1.8391	7.8811	2.6246	11.3508	3.8821
4	8	16.3718	1.0825	15.0403	1.5243	12.8548	2.3800	9.4788	3.6959
		3.4447	1.3916	6.1597	2.7238	9.8565	4.0247	13.2438	4.4619
4	9	16.4729	1.0455	15.1984	1.4642	13.2263	2.1932	9.8522	3.6224
		4.8142	2.0662	7.2567	2.7772	9.6244	3.1015	13.2660	4.2367
4	10	16.5573	1.0445	15.2375	1.5035	13.1256	2.3074	9.7340	3.6788
		3.7563	1.3799	5.9137	2.2891	8.8974	3.3263	12.7262	4.4683
4	11	17.5398	0.8510	10.1497	6.8662	7.0346	5.7018	3.5408	5.4474
		2.9481	1.1044	4.5869	1.7571	7.0321	2.6834	10.7175	4.0696
4	12	15.9566	1.2634	13.5866	2.3669	11.0497	3.0431	7.8833	3.8747
		3.3491	1.2442	5.0696	1.8907	7.5811	2.7987	11.2700	4.1284
4	13	10.5940	1.1745	8.7782	1.9463	6.0442	2.9667	3.4258	3.3298
		3.6129	1.3176	5.1942	1.8231	7.5099	2.6211	11.0122	3.9111
4	14	15.6569	1.3334	14.1138	1.8012	11.7544	2.6462	7.7166	4.3419
		4.0715	1.3567	5.6625	1.8437	7.9227	2.5898	11.3541	3.8433
4	15	16.2934	1.0314	14.9623	1.4039	12.9882	2.1984	9.8304	3.4464
		3.8742	1.5749	6.0172	2.3561	9.5829	3.8297	13.9191	4.9669

4	16	15.5490	1.1496	14.2891	1.5062	12.3848	2.1615	9.2738	3.3972
		4.3876	1.7529	7.0341	2.8384	10.4283	3.8464	13.9726	4.4774
4	17	12.6304	1.4850	11.2306	1.7638	9.3435	2.2741	6.1010	3.5725
		4.5567	1.5168	6.1825	1.9548	8.4744	2.6718	11.8725	3.8576
4	18	12.2447	2.0535	10.3296	2.3608	8.4626	2.5464	5.6941	3.3363
		4.2765	1.4484	5.9947	1.9842	8.4138	2.7717	11.7229	3.8342
4	19	13.4613	1.4411	11.9864	1.8152	9.9108	2.4294	6.8540	3.4983
		4.7506	1.5226	6.4735	2.0293	8.8135	2.7377	12.1653	3.8440
4	20	16.1085	0.9853	14.5416	1.6537	12.1861	2.6122	7.3502	4.8757
		3.4571	1.3186	5.1536	1.9127	7.5861	2.7421	11.0372	3.9281
5	1	16.6884	1.1696	12.7090	3.6576	10.2092	3.5464	8.2369	3.2279
		2.7606	1.0334	4.3959	1.7262	6.9278	2.7351	10.7305	4.1764
5	2	15.9164	1.5100	12.3425	3.4547	10.4902	3.0968	8.1563	3.2631
		2.8263	1.0652	4.5012	1.7693	7.0492	2.7643	10.8742	4.2065
5	3	15.9602	1.0267	14.6879	1.4597	12.4669	2.3620	8.6146	4.0572
		3.2398	1.1859	4.8076	1.7443	7.1597	2.6084	10.8194	4.0141
5	4	11.9818	1.0636	10.6811	1.4915	8.8257	2.1120	5.7608	3.3336
		3.7542	1.3553	5.4740	1.9427	7.8771	2.7425	11.4031	3.9819
5	5	13.3262	1.8500	10.9524	2.6893	8.6104	3.0086	5.8667	3.5152
		3.2088	1.2262	4.9391	1.8842	7.4805	2.8124	11.0587	4.0512
5	6	15.3016	1.3042	13.8614	1.7041	11.9927	2.2273	8.9506	3.3777
		6.1706	2.6013	8.4072	2.9316	11.1110	3.4445	14.2192	3.9713
5	7	11.4117	2.7498	9.7799	2.5716	7.3341	3.1089	4.0969	3.8600
		4.1524	1.3556	5.7173	1.8243	7.9141	2.5331	11.3127	3.7895
5	8	15.4831	1.1735	14.2084	1.5306	12.3652	2.1186	9.2784	3.3672
		4.6484	1.6325	6.8718	2.4536	9.9418	3.4772	13.8053	4.5480
5	9	16.2802	1.0407	15.0273	1.4455	13.1205	2.1230	9.9666	3.4243
		3.2987	1.3857	5.9423	2.6511	9.2915	3.7713	14.0344	5.3140
5	10	16.5115	1.0343	15.3199	1.4015	13.3792	2.1479	10.0395	3.5805
		3.3239	1.3765	5.4008	2.2309	8.1240	3.0884	11.9466	4.3850

5	11	11.3008	1.5323	9.3314	2.2608	6.7653	3.0374	3.7215	3.7136
		3.6693	1.3102	5.2431	1.8192	7.5599	2.6169	11.0536	3.8994
5	12	10.9190	0.8659	9.7640	1.2903	8.0003	1.9624	4.9317	3.2405
		4.3629	1.4420	5.9488	1.8860	8.2234	2.6164	11.6324	3.8365
5	13	14.2946	1.8646	12.0804	2.5635	9.4868	3.1710	5.9513	4.1721
		4.9249	1.5180	6.5795	1.9749	8.6821	2.5324	11.8741	3.6386
5	14	14.4876	1.6896	12.5074	2.3309	10.3489	2.7406	7.0297	3.8513
		3.9108	1.3489	5.5356	1.8694	7.8612	2.6580	11.4463	3.9828
5	15	15.6128	1.2629	14.0992	1.7402	12.1616	2.2885	9.1166	3.4100
		3.3963	1.3264	5.5611	2.2646	8.4893	3.3059	12.5344	4.6311
5	16	16.1922	1.0431	14.8828	1.4978	12.7748	2.3010	9.3008	3.7266
		4.2237	1.7555	6.4619	2.5341	9.2859	3.2990	12.7262	4.1685
5	17	16.4496	1.0137	15.2070	1.4331	13.1346	2.2462	9.6739	3.7115
		3.7542	1.5628	5.9985	2.4145	8.6977	3.1756	12.3245	4.2714
5	18	16.6084	0.9638	15.4503	1.3409	13.6445	2.0141	10.3631	3.4747
		2.9200	1.1036	4.6421	1.8284	7.7148	3.2161	11.7888	4.6144
5	19	14.9532	1.3346	13.5292	1.7090	11.7990	2.1355	9.0065	3.1484
		4.5326	1.5631	6.6715	2.3629	10.3138	3.8746	13.9812	4.5457
5	20	15.1294	1.2569	13.8020	1.5995	11.8184	2.2790	8.5851	3.5496
		4.6621	1.6504	6.7980	2.4131	9.4694	3.1158	12.9080	4.0875
6	1	13.2926	1.5411	11.9363	1.7536	10.1697	2.1803	7.3289	3.2134
		4.0927	1.4362	5.9058	2.0495	8.3915	2.8621	12.0175	4.1068
6	2	12.8465	1.3890	11.5011	1.6841	9.7122	2.1622	7.0340	3.0923
		4.9030	1.6490	6.8706	2.2594	9.3948	2.9790	12.6526	3.8844
6	3	11.1845	2.3004	8.4721	3.0926	6.0632	3.2988	3.6835	3.3760
		3.6678	1.3333	5.2947	1.8676	7.6065	2.6355	11.0558	3.8759
6	4	14.1802	1.4763	12.7765	1.7575	10.9280	2.2360	8.0299	3.2692
		4.7899	1.7188	6.9668	2.4368	9.6476	3.1719	13.0425	4.0682
6	5	14.1469	1.6499	12.5867	1.9683	10.2290	2.7150	6.1169	4.3943
		3.4804	1.3260	5.0712	1.8403	7.4915	2.7067	11.0318	3.9852

6	6	11.8681	1.7677	10.4307	1.9322	8.5013	2.3906	5.5938	3.3382
		4.5636	1.5836	6.2915	2.0607	8.5825	2.7127	11.8602	3.7899
6	7	11.9467	1.2591	10.6859	1.5307	8.9753	2.0236	6.2376	3.0516
		4.7565	1.5462	6.5029	2.0516	8.8940	2.7727	12.1923	3.8183
6	8	16.0287	1.0831	14.7332	1.4051	12.8844	2.1029	9.7817	3.3740
		3.5704	1.2995	5.2740	1.9240	8.3529	3.2377	13.0083	5.0352
6	9	16.1811	1.0409	14.8352	1.5220	12.8117	2.2420	9.4856	3.5980
		4.8340	1.9269	7.7653	3.1090	10.7187	3.6871	13.9463	4.2138
6	10	16.3847	1.0631	15.1121	1.4731	13.1459	2.1831	9.9125	3.5121
		5.6783	1.7815	7.6032	2.3836	10.5116	3.2900	14.3891	4.4309
6	11	13.8260	1.6049	11.5569	2.5136	8.4942	3.4907	5.2806	4.0977
		3.9749	1.3966	5.6779	1.9480	8.0057	2.6853	11.3462	3.8194
6	12	16.1432	1.1413	14.6475	1.6675	12.5737	2.3607	9.2331	3.6635
		5.5533	2.1587	7.7618	2.6441	10.1695	3.0939	13.4614	3.9494
6	13	15.6951	1.1356	14.2736	1.6089	12.4498	2.1440	9.4161	3.3367
		4.3086	1.3857	5.9820	1.9131	8.4558	2.8056	12.7356	4.5572
6	14	14.5300	1.4082	13.1474	1.7107	11.0602	2.4160	7.2253	4.0760
		4.1294	1.4141	5.7821	1.9235	8.1343	2.6821	11.5602	3.8887
6	15	15.4334	1.2740	13.9827	1.6986	12.0618	2.2683	8.8855	3.4892
		4.8486	1.6264	6.9500	2.3605	9.6804	3.1586	13.2335	4.1799
6	16	15.6886	1.3167	14.0189	1.8854	11.5878	2.7273	8.1036	3.9439
		4.7689	1.4369	6.4672	1.9785	8.7611	2.6844	12.1329	3.8386
6	17	13.0362	1.6041	11.4431	1.9719	9.5383	2.4062	6.7257	3.2911
		4.9979	1.7653	6.9948	2.3313	9.3271	2.8583	12.5086	3.7768
6	18	16.1721	1.1648	14.5432	1.7948	12.0607	2.7238	8.4348	4.0548
		4.3257	1.5358	6.1011	2.0652	8.5064	2.8089	11.8975	3.9270
6	19	14.8481	1.4426	13.3994	1.7774	11.3182	2.4248	8.0498	3.6451
		4.1601	1.4971	6.0341	2.1283	8.6314	2.9622	12.1337	4.0808
6	20	11.2794	2.2578	10.0225	2.0604	8.2578	2.3208	5.5236	3.2005
		3.9363	1.4115	5.6855	1.9900	8.1210	2.7882	11.5581	3.9376

7	1	15.6592	1.7622	11.4680	4.0139	6.9072	5.3560	4.5286	4.3731
		3.0371	1.1690	4.7537	1.8453	7.2222	2.7355	10.8099	4.0267
7	2	15.6053	1.1231	13.9869	1.7486	11.6965	2.5785	8.5939	3.5634
		3.6488	1.3190	5.2258	1.8321	7.6768	2.7296	11.4606	4.1595
7	3	17.0186	0.7977	15.9680	1.1969	13.0676	2.7658	6.9003	5.7161
		2.9719	1.1055	4.6047	1.7548	7.0507	2.6820	10.7247	4.0582
7	4	11.7283	1.3556	10.2118	1.7894	8.3351	2.2672	5.3803	3.2911
		4.6709	1.5887	6.4413	2.0932	8.6139	2.6554	11.8640	3.7378
7	5	14.0791	1.4090	12.3870	1.9418	10.3067	2.4838	7.3833	3.4003
		5.5749	1.7078	7.2574	2.1004	9.6724	2.8017	12.7760	3.6803
7	6	9.2835	0.9121	8.3451	1.1523	6.9048	1.6386	4.6417	2.4976
		4.2649	1.4588	5.9913	1.9952	8.3525	2.7299	11.5915	3.7626
7	7	15.5940	1.5153	13.2851	2.4302	8.1211	5.1848	4.3325	5.2472
		3.5613	1.3212	5.1811	1.8577	7.5202	2.6495	10.9562	3.8762
7	8	16.9509	0.9060	15.7584	1.3333	13.7665	2.1510	10.3475	3.6272
		3.3923	1.3859	6.3057	2.7838	9.8966	3.9747	13.5757	4.6380
7	9	10.7738	3.1127	9.0052	2.8315	7.2552	2.6862	4.7162	3.1956
		3.7184	1.3711	5.5290	2.0203	7.8840	2.7490	11.2931	3.8976
7	10	14.6044	1.4962	12.9553	1.9664	10.7230	2.6182	7.5437	3.6694
		3.3607	1.2648	4.9938	1.8408	7.4734	2.7431	11.1452	4.0879
7	11	11.4340	1.5875	9.1272	2.4726	6.9877	2.8029	4.3882	3.2811
		3.7505	1.3462	5.4634	1.9416	7.7787	2.6772	11.1916	3.8669
7	12	13.2591	1.5677	11.2894	2.2202	9.4780	2.4401	6.2890	3.6015
		3.9623	1.4437	5.6498	1.9627	8.0378	2.7407	11.5685	3.9861
7	13	12.4150	2.0038	10.4614	2.4193	8.4053	2.7000	5.6452	3.3891
		4.5558	1.6137	6.3942	2.1509	8.6852	2.7567	11.8692	3.7381
7	14	14.7740	1.0395	13.3329	1.5882	11.0546	2.4811	7.6550	3.7115
		3.5623	1.4221	5.5626	2.1959	8.3450	3.1300	11.7552	4.0854
7	15	15.9787	1.0965	14.5437	1.6082	12.4113	2.3760	9.0260	3.6868
		5.9371	2.0256	8.1905	2.6565	10.6682	3.1185	13.5658	3.6975

7	16	16.7097	0.9589	15.4782	1.3021	13.4713	2.1871	10.0143	3.6853
		2.6345	1.0391	4.6243	2.0229	8.6015	3.8462	12.2869	4.6258
7	17	14.7083	1.3031	13.0523	1.9207	10.7178	2.6593	7.4260	3.7552
		3.7867	1.5214	5.7717	2.2128	8.3929	3.0255	11.8238	4.0567
7	18	14.8224	1.5412	13.0643	2.0574	10.7404	2.7220	7.5943	3.6828
		4.6991	1.7670	6.7012	2.3409	9.1501	2.9533	12.4352	3.8982
7	19	16.6994	0.9337	15.5375	1.3273	13.6980	2.0344	10.4687	3.4352
		2.3004	0.7894	3.7171	1.4553	6.3161	2.6831	14.4649	7.3016
7	20	15.9096	1.1025	14.4674	1.6088	12.2855	2.4212	8.9062	3.7037
		3.9667	1.5744	6.1005	2.3386	8.8329	3.1720	12.3855	4.1941
8	1	14.1198	1.2303	12.5260	1.7489	9.1660	3.4836	3.3432	5.4440
		3.0410	1.1404	4.6755	1.7709	7.0778	2.6555	10.7255	4.0317
8	2	16.4322	1.1186	14.7631	1.8077	11.7479	3.1773	7.1383	4.8852
		3.3138	1.2173	4.9680	1.8321	7.4257	2.7234	10.9737	3.9826
8	3	10.2130	1.5815	8.9523	1.7115	7.2616	2.0959	4.4197	3.1619
		3.6902	1.3279	5.3613	1.8803	7.7216	2.6978	11.2131	3.9322
8	4	11.6333	2.6392	9.3015	2.9868	6.9186	3.2547	4.2163	3.5634
		3.6958	1.3416	5.3715	1.9115	7.6806	2.6555	11.1313	3.8847
8	5	14.2375	1.4410	12.6802	1.8550	10.4301	2.5888	6.8528	3.9427
		4.1793	1.5183	5.9855	2.0702	8.3283	2.7578	11.7113	3.8923
8	6	10.0120	3.4498	8.5508	2.7765	6.8069	2.6791	4.4515	3.0709
		3.8736	1.3749	5.5881	1.9542	7.9318	2.6999	11.3011	3.8433
8	7	13.6281	1.4296	12.1872	1.7716	10.3219	2.2446	7.5944	3.1650
		5.4522	1.7867	7.4574	2.3535	9.9850	3.0259	13.1019	3.7772
8	8	14.3750	1.8442	11.9803	2.6543	9.5140	3.1023	6.4825	3.8144
		4.6084	1.5759	6.3749	2.0901	8.7295	2.7760	11.9689	3.7800
8	9	10.7182	1.8123	5.5665	4.4936	4.1633	3.2736	2.6535	2.7135
		3.3616	1.2560	4.9329	1.7860	7.2773	2.6182	10.8341	3.9492
8	10	14.5904	1.1506	13.3058	1.5135	11.5919	2.0364	8.6752	3.2264
		3.0913	1.1423	4.6685	1.7290	7.0357	2.6115	10.7401	4.0535

8	11	14.9036	1.9390	12.0619	3.0939	9.3297	3.5563	5.5448	4.5596
		3.6947	1.3972	5.4649	2.0072	7.7892	2.7192	11.2439	3.9241
8	12	15.9982	1.2598	13.6591	2.4043	9.5337	4.2520	4.9986	5.3153
		3.6562	1.3726	5.3125	1.9126	7.6311	2.6632	11.0462	3.8693
8	13	13.1512	2.5297	9.3291	3.9196	6.4553	4.0414	3.8998	3.8824
		4.2623	1.3760	5.8164	1.8284	8.0000	2.5194	11.2878	3.7000
8	14	16.3505	1.1161	14.2798	2.1036	8.0504	5.6707	3.4514	5.9400
		3.6251	1.3045	5.1579	1.7877	7.4364	2.5723	10.9081	3.8638
8	15	15.7565	1.1236	14.4476	1.5258	12.5536	2.1612	9.4379	3.4045
		3.5657	1.4523	6.0430	2.5919	9.6111	3.8913	13.5986	4.8320
8	16	15.5578	1.3066	13.7117	2.0281	10.9733	3.0350	7.4756	4.0799
		4.5182	1.4821	6.2985	2.0447	8.6940	2.7810	11.9536	3.7944
8	17	13.1633	1.9048	11.1492	2.4092	9.0416	2.7336	6.2751	3.4235
		4.7285	1.5863	6.5611	2.1368	8.9293	2.7992	12.0998	3.7413
8	18	15.4458	1.4155	13.9363	1.8173	11.7050	2.5502	8.0038	4.0542
		4.0986	1.5455	5.8036	2.0842	8.1956	2.7289	11.6365	3.9276
8	19	14.0423	1.9242	12.0915	2.3688	10.1100	2.6201	7.4245	3.2984
		5.3386	1.9432	7.3928	2.4777	9.9495	3.0821	12.9274	3.7132
8	20	15.2326	1.4738	13.6073	1.9474	11.3398	2.6340	8.2519	3.6045
		5.3224	1.8948	7.3407	2.4231	9.9329	3.0758	13.0556	3.8161
9	1	13.5182	1.2211	11.6784	1.9622	8.3908	3.3446	5.8708	3.5097
		2.9931	1.1320	4.7355	1.8403	7.2996	2.8114	10.9061	4.0701
9	2	14.2138	1.5532	12.5940	1.9537	10.6208	2.4265	7.6045	3.4654
		4.0392	1.3531	5.7023	1.8946	8.1162	2.7368	11.7599	4.0618
9	3	14.3997	1.1258	13.1774	1.4630	11.3468	2.0853	8.3556	3.2783
		4.1877	1.4380	5.8785	1.9604	8.3777	2.8254	12.1432	4.2035
9	4	15.0598	1.3424	13.5813	1.7557	11.7280	2.2469	8.8882	3.2290
		4.8007	1.9397	7.2443	2.7502	10.5828	3.8436	13.8693	4.2915
9	5	13.3095	1.3568	11.8456	1.7602	9.8562	2.3353	7.0977	3.2093
		3.1888	1.2549	5.0757	2.0195	7.8331	3.0276	11.4747	4.1998

9	6	14.2312	1.4430	12.4777	2.0056	10.0748	2.7625	6.8747	3.7383
		4.7335	1.7615	6.6713	2.2998	8.9847	2.8322	12.1856	3.7839
9	7	15.9105	1.0179	14.6272	1.4529	12.7524	2.1105	9.4242	3.5381
		7.5115	3.1243	9.3093	2.8748	11.5445	3.0669	14.6381	3.8162
9	8	16.7479	0.9323	15.5351	1.3649	13.6735	2.0697	10.5414	3.3743
		2.6105	1.0257	4.0785	1.5867	6.4222	2.5363	11.1963	4.9068
9	9	12.5751	0.9543	11.0921	1.5829	8.6921	2.5722	6.2876	3.0690
		2.9754	1.1121	4.6591	1.7986	7.2139	2.7815	10.8947	4.1080
9	10	12.3165	0.7123	11.1544	1.2170	9.4140	1.8854	6.6607	3.0018
		2.9822	1.1292	4.7320	1.8551	7.3035	2.8206	11.0077	4.1501
9	11	14.2867	1.7769	9.5217	4.3506	7.5452	3.5895	5.1025	3.5981
		3.5584	1.3164	5.3172	1.9612	7.7872	2.7944	11.1958	3.9141
9	12	16.2045	1.0386	14.7144	1.6181	12.4630	2.4610	8.8527	3.8811
		4.5806	1.7014	6.6437	2.3645	9.1604	3.0115	12.4294	3.9020
9	13	17.0877	0.5740	16.2061	0.9518	14.2866	1.9128	9.6938	4.5734
		2.9626	1.1008	4.5816	1.7417	7.0140	2.6642	10.6632	4.0342
9	14	16.9411	0.9274	15.6526	1.4201	13.2603	2.4950	9.2650	4.1971
		3.7828	1.3307	5.5445	1.9671	7.9995	2.7966	11.4701	3.9556
9	15	13.4494	1.3768	12.1148	1.6782	10.1676	2.2601	7.4366	3.1659
		4.5450	1.7314	6.9854	2.6610	9.6418	3.2538	12.8372	3.9683
9	16	13.1166	1.4750	11.4774	1.9585	9.2583	2.5931	6.1958	3.5460
		4.4486	1.5887	6.2736	2.1395	8.6276	2.7904	11.8894	3.8149
9	17	15.1042	1.2723	13.6045	1.7313	11.5874	2.3601	8.6592	3.3393
		4.8304	1.7443	7.4289	2.8056	10.5554	3.6778	13.5870	4.0610
9	18	16.9933	0.8806	15.8268	1.3006	13.9298	2.0606	10.5909	3.5230
		2.4195	0.8511	3.8820	1.5017	6.2447	2.5204	11.4117	5.1834
9	19	14.5283	1.2062	13.3252	1.4961	11.2996	2.2633	7.7999	3.7238
		3.7073	1.4055	5.5818	2.1013	8.1838	2.9425	11.6777	4.0583
9	20	15.8915	1.0396	14.5840	1.4819	12.6790	2.1528	9.4464	3.4802
		4.5052	1.9861	7.8164	3.4634	10.9898	4.0044	14.2521	4.3935

10	1	11.9221	1.4939	10.2006	1.9978	8.2362	2.4135	5.9808	2.8697
		3.0520	1.1515	4.7615	1.8328	7.3345	2.8146	10.9739	4.0950
10	2	17.4064	0.8392	15.9911	1.4871	13.9297	2.2491	10.7110	3.4853
		2.8603	1.0664	4.4872	1.7319	6.9282	2.6712	10.6343	4.0774
10	3	15.4063	1.6695	13.0474	2.6088	10.1148	3.4064	7.0436	3.9285
		3.2211	1.2171	5.1354	2.0177	7.8305	2.9880	11.3642	4.0989
10	4	15.1887	1.4552	13.2434	2.1805	10.6407	2.9823	7.1759	4.0205
		4.7227	1.8205	6.6854	2.3326	9.0183	2.8552	12.1775	3.7719
10	5	13.1535	1.9097	11.5543	2.1322	9.7093	2.4243	6.5988	3.5371
		3.6509	1.3305	5.3576	1.9230	7.7880	2.7554	11.3913	4.0464
10	6	13.9966	1.7048	12.5198	1.9293	10.7744	2.2476	8.0296	3.1727
		5.0425	1.8042	7.1286	2.4333	9.8996	3.2395	13.2368	4.0314
10	7	14.0040	1.4476	12.5041	1.8219	10.6361	2.2779	7.6826	3.3365
		5.2108	1.7923	7.0770	2.2683	9.5708	2.9463	12.8865	3.9000
10	8	16.3203	1.0432	15.0263	1.4812	13.0017	2.2300	9.6671	3.6067
		6.1310	2.8865	8.9604	3.4620	11.4486	3.5095	14.4979	3.9698
10	9	14.9176	1.4790	13.2335	1.9783	10.4273	3.0767	5.2550	5.2478
		3.4814	1.2732	5.0960	1.8291	7.4556	2.6541	10.9507	3.9208
10	10	16.1304	1.1625	14.5524	1.7413	12.3058	2.5219	8.9606	3.7265
		4.3657	1.8362	7.4609	3.2017	10.2499	3.6080	13.2833	4.0231
10	11	16.8268	0.9537	15.7438	1.2715	13.2892	2.5155	7.2792	5.6963
		3.0897	1.1510	4.7357	1.7853	7.1775	2.6928	10.7777	4.0103
10	12	16.4594	0.9952	15.2443	1.3991	13.2781	2.1587	9.8498	3.6463
		3.8763	1.5846	6.0528	2.4004	8.8392	3.2309	12.5321	4.3437
10	13	15.7045	1.1021	14.5401	1.4080	12.6429	2.1158	9.1666	3.6614
		3.8807	1.3841	5.7194	2.0449	8.4622	3.0381	11.9924	4.1462
10	14	15.1825	1.4921	13.2542	2.1554	10.8522	2.8463	7.6821	3.7640
		5.4419	1.9475	7.5062	2.5457	9.8486	2.9213	12.8223	3.6473
10	15	16.5702	0.9563	15.3026	1.4157	13.3273	2.1766	9.8988	3.6461
		3.7031	1.6346	6.2085	2.6459	9.0637	3.3858	12.7582	4.4016

10	16	16.7262	0.9678	15.4309	1.4445	13.3230	2.2920	9.7959	3.7756
		5.0996	1.9120	7.3765	2.6228	10.0093	3.2150	13.1455	3.9000
10	17	15.5677	1.3654	14.0297	1.8081	11.7775	2.5671	8.4633	3.7445
		5.4386	1.8922	7.2591	2.2876	9.5626	2.8250	12.8384	3.8128
10	18	14.8592	1.4639	13.1963	1.9527	10.7772	2.7564	7.5298	3.7738
		4.9746	1.8816	7.2290	2.5749	9.5214	2.9480	12.6157	3.7562
10	19	16.7627	0.9069	15.6017	1.3120	13.6780	2.0900	10.0946	3.7383
		3.5012	1.5514	5.7614	2.4346	8.6063	3.2410	11.7799	3.9783
10	20	16.5558	1.0117	15.2925	1.4419	13.2946	2.2006	9.9721	3.5817
		4.5034	1.4020	6.0671	1.8508	8.4997	2.7381	12.4534	4.3134
11	1	16.4929	0.9914	15.2477	1.4192	13.2627	2.1806	9.8635	3.6300
		6.3703	1.7355	8.2187	2.2037	10.8108	3.0021	14.0006	3.8495
11	2	13.2101	2.3409	10.9774	2.7244	9.0117	2.7858	6.2406	3.4494
		3.9752	1.4857	5.8536	2.1178	8.3691	2.9035	11.7480	3.9478
11	3	16.5591	0.9684	15.2971	1.4195	13.3233	2.1720	9.9627	3.5946
		4.0249	1.3720	5.7804	1.9815	8.4198	2.9437	12.3643	4.3863
11	4	14.9012	1.2325	13.4496	1.6806	11.6417	2.1769	8.7530	3.2445
		3.7957	1.4377	5.7844	2.1835	8.5008	3.1067	12.4954	4.5054
11	5	16.3886	0.9968	15.1423	1.4227	13.1939	2.1488	9.7986	3.6150
		5.7871	2.4343	8.2009	2.9417	10.6331	3.2527	13.9801	4.1109
11	6	16.0398	1.1852	14.4752	1.7533	12.3975	2.3959	9.2720	3.5321
		4.3151	1.5209	6.0290	2.0102	8.5108	2.8398	12.4821	4.3696
11	7	16.3837	1.0917	14.8685	1.6645	12.4452	2.6247	8.8406	3.9709
		5.5924	1.7291	7.4186	2.1997	9.6891	2.7609	12.7495	3.6301
11	8	16.5778	0.9812	15.3600	1.3927	13.4494	2.1183	10.1321	3.5502
		4.2642	1.6033	6.3697	2.3237	8.7790	2.9429	12.6549	4.3883
11	9	13.8158	1.4827	12.2960	1.8545	10.4810	2.2508	7.2805	3.4923
		4.2557	1.5654	6.0933	2.1224	8.6129	2.9096	12.0868	4.0424
11	10	16.0993	1.0669	14.7309	1.5414	12.7420	2.2362	9.3733	3.6312
		4.1578	1.6755	6.8071	2.7726	9.6159	3.4264	13.1300	4.3010

11	11	13.6045	1.2320	12.4262	1.4878	10.6726	2.0396	7.7895	3.1843
		5.6958	1.7657	7.5367	2.2229	9.9313	2.8809	13.2607	3.8668
11	12	16.4807	1.0650	15.0048	1.6292	12.6218	2.5683	8.8714	4.0465
		5.1272	1.6375	6.9131	2.1281	9.2195	2.7364	12.3880	3.6976
11	13	13.3014	1.7311	11.6860	2.0424	9.7740	2.4354	6.8689	3.3808
		5.1268	1.7052	6.9677	2.1914	9.3127	2.8062	12.5369	3.7813
11	14	13.3144	1.5972	11.8513	1.8691	10.0700	2.2452	7.0527	3.3672
		5.2026	1.7258	6.9319	2.1245	9.2560	2.7553	12.5914	3.8345
11	15	15.6388	1.1333	14.3233	1.5358	12.4061	2.1845	9.1983	3.4898
		4.8344	1.8044	6.6001	2.2604	9.1442	2.9214	12.9326	4.2532
11	16	16.5422	1.0071	15.2905	1.4326	13.3216	2.1707	10.1153	3.4777
		2.9203	1.1529	5.1397	2.2286	8.7305	3.7809	13.5753	5.3776
11	17	15.8888	1.0903	14.4557	1.6076	12.4774	2.2651	9.1943	3.5891
		5.1491	1.7775	7.0420	2.2605	9.5220	2.9466	13.1190	4.1267
11	18	15.7300	1.1603	14.2879	1.6387	12.2186	2.3461	9.0385	3.5323
		6.1292	1.7430	8.0732	2.3060	10.7220	3.0915	13.7871	3.7709
11	19	17.0249	0.8745	15.8718	1.2893	13.9098	2.1096	10.4558	3.6322
		2.7740	1.0431	4.5734	1.8340	7.3199	2.9608	11.3869	4.4764
11	20	16.3251	1.0088	15.0148	1.4761	13.0453	2.1825	9.7805	3.5285
		3.5688	1.5193	6.3154	2.8080	9.5844	3.7871	13.5880	4.8041
12	1	14.3005	1.6238	12.5908	2.0498	10.3951	2.6446	7.1642	3.7292
		3.6168	1.3665	5.4035	2.0053	7.9355	2.8600	11.4971	4.0644
12	2	15.9015	1.0646	14.5014	1.5674	12.5451	2.2218	9.3630	3.4797
		7.6105	2.2991	9.8632	2.7841	12.2580	3.1145	14.8118	3.4071
12	3	15.2156	1.3351	13.5578	1.8873	11.3304	2.5872	8.0473	3.7243
		4.5282	1.7632	6.7754	2.5127	9.2848	3.0686	12.5879	3.9701
12	4	16.3408	1.0303	15.0683	1.4587	13.0738	2.1943	9.8214	3.5313
		3.7508	1.4122	5.9938	2.3592	8.9476	3.3371	13.0672	4.7034
12	5	15.7896	1.1057	14.3644	1.6062	12.3614	2.2766	9.1103	3.5612
		4.6276	1.8250	7.1212	2.7005	9.8564	3.3294	13.3529	4.2279

12	6	16.2655	1.0398	14.9295	1.5102	12.8579	2.2770	9.4431	3.6795
		4.8333	1.6481	6.8303	2.2862	9.3360	2.9665	12.8737	4.0771
12	7	15.2238	1.3181	13.6416	1.8178	11.5822	2.4252	8.4693	3.5373
		5.6982	1.8310	7.5457	2.2786	9.9271	2.8826	13.2430	3.8533
12	8	14.8723	1.2044	13.4263	1.6622	11.6475	2.1469	8.8040	3.1887
		4.9383	2.1544	8.0592	3.3212	11.2124	3.9271	14.2169	4.1210
12	9	16.3457	1.0670	15.0458	1.4937	12.9361	2.3063	9.4925	3.7252
		3.8174	1.4275	5.7744	2.1531	8.4051	3.0133	12.0612	4.2199
12	10	15.3046	1.2342	13.6907	1.8103	11.6142	2.4401	8.4538	3.5688
		4.8713	1.7530	6.7642	2.2515	9.2217	2.9254	12.7149	4.0300
12	11	15.2961	1.2722	13.6511	1.8548	11.4793	2.5301	8.3085	3.6083
		4.2192	1.6858	6.6110	2.5920	9.2984	3.2460	12.6781	4.1073
12	12	16.1633	1.0102	14.8892	1.4439	12.9642	2.1370	9.7599	3.4641
		4.8475	2.1381	7.6327	3.0800	10.7915	3.8550	14.5003	4.5941
12	13	16.1343	1.0212	14.8558	1.4509	12.8977	2.1667	9.6263	3.5257
		4.2934	1.7921	7.8072	3.4549	10.8799	3.9338	14.2600	4.4189
12	14	16.0505	1.1638	14.4905	1.7298	12.2947	2.4847	9.0189	3.6670
		4.9832	1.7647	7.2520	2.5347	9.9889	3.2564	13.2529	4.0011
12	15	15.5397	1.2924	13.9072	1.8435	11.5099	2.7092	7.7633	4.1504
		4.5845	1.6483	6.3822	2.1415	8.6620	2.7375	11.9435	3.8106
12	16	16.2272	1.0523	14.7669	1.6116	12.4725	2.4933	8.7148	4.0182
		3.7577	1.3766	5.6605	2.0901	8.2054	2.9116	11.6646	4.0104
12	17	15.5470	1.1679	14.1053	1.6483	12.0333	2.3464	8.9053	3.4868
		5.0383	2.0510	7.9819	3.1639	10.8121	3.6138	13.7981	3.9840
12	18	14.3822	1.3748	12.9915	1.7003	11.1301	2.2143	8.2229	3.2716
		5.5260	2.2677	7.8255	2.7981	10.4049	3.2778	13.5639	3.9352
12	19	15.3613	1.2795	13.7582	1.8111	11.6478	2.4561	8.6908	3.4189
		3.4852	1.3348	5.2960	2.0098	8.1513	3.1140	12.0493	4.4212
12	20	13.4336	1.4245	11.9674	1.7968	9.9978	2.3401	7.0796	3.3336
		5.1481	1.9547	7.2136	2.4710	9.5448	2.9318	12.6995	3.7889

ANNEX XI

PROGRAM 4 (ICL FORTRAN)

evaluates joint item-pair probabilities and Chi-Square for all pairings of library items within set within test for six levels of attainment.

The program here is for the 48 wrong-curve items. The program for the right-curve items differs only in the twelve FORMAT statements, 1 to 12, used for item selection.

(This Annex is first referred to on p. 142)

```
      MASTER LOCAL PROBS12
C SELECTS ITEMS FROM V8ITWRONGRIT AND
C EVALUATES 2X2 CONTINGENCIES FOR ITEM PAIRS
      DIMENSION M4(4),MFREQ(4,6,6),MTHIN(4,6,6),KONVERT(3,4)
      DO 3006 IC6=1,6
      DO 3006 IC7=1,6
      DO 3006 IC8=1,4
      MFREQ(IC8,IC7,IC6)=0
 3006 MTHIN(IC8,IC7,IC6)=0
      KONVERT(1,2)=1
      KONVERT(1,3)=2
      KONVERT(1,4)=3
      KONVERT(2,3)=4
      KONVERT(2,4)=5
      KONVERT(3,4)=6
      NOWPT=1
    1 FORMAT(I4,2I2,9X,I1,1X,2I1,4X,I1,2X)
    2 FORMAT(I4,2I2,4X,3I1,2X,I1,10X)
    3 FORMAT(I4,2I2,4X,2I1,1X,I1,8X,I1,3X)
    4 FORMAT(I4,2I2,4X,I1,1X,I1,9X,I1,1X,I1,1X)
    5 FORMAT(I4,2I2,3X,I1,1X,I1,3X,I1,6X,I1,1X)
    6 FORMAT(I4,2I2,1X,I1,1X,I1,1X,2I1,13X)
    7 FORMAT(I4,2I2,3X,I1,1X,I1,1X,I1,10X,I1,1X)
    8 FORMAT(I4,2I2,2X,I1,3X,I1,7X,I1,2X,I1,2X)
    9 FORMAT(I4,2I2,6X,2I1,6X,I1,2X,I1,2X)
   10 FORMAT(I4,2I2,I1,4X,3I1,12X)
   11 FORMAT(I4,2I2,9X,I1,2X,2I1,4X,I1,1X)
   12 FORMAT(I4,2I2,7X,I1,3X,I1,3X,I1,1X,I1)
   13 FORMAT(1H ,I4,I3,2I2,4F6.4,E12.5,4I4,E12.5,I4)
   14 FORMAT(1H ,8H770 EXIT,3I5)
   49 GO TO(101,102,103,104,105,106,107,108,109,110,111,112),NOWPT
```

```
101 READ(1,1)ID,IPT,IBAND,M4
    GO TO 50
102 READ(1,2)ID,IPT,IBAND,M4
    GO TO 50
103 READ(1,3)ID,IPT,IBAND,M4
    GO TO 50
104 READ(1,4)ID,IPT,IBAND,M4
    GO TO 50
105 READ(1,5)ID,IPT,IBAND,M4
    GO TO 50
106 READ(1,6)ID,IPT,IBAND,M4
    GO TO 50
107 READ(1,7)ID,IPT,IBAND,M4
    GO TO 50
108 READ(1,8)ID,IPT,IBAND,M4
    GO TO 50
109 READ(1,9)ID,IPT,IBAND,M4
    GO TO 50
110 READ(1,10)ID,IPT,IBAND,M4
    GO TO 50
111 READ(1,11)ID,IPT,IBAND,M4
    GO TO 50
112 READ(1,12)ID,IPT,IBAND,M4
    GO TO 50
 50 CONTINUE
    IF(ID-8888)51,60,60
 52 CONTINUE
    NOWPT=NOWPT+1
    IF(NOWPT-IPT)770,0,770
    DO 3007 IC6=1,6
    DO 3007 IC7=1,6
    DO 3007 IC8=1,4
    MFREQ(IC8,IC7,IC6)=0
3007 MTHIN(IC8,IC7,IC6)=0
    GO TO 49
 51 CONTINUE
    IF(IBAND-2)49,0,0
    DO 1001 IC1=1,3
    N1=M4(IC1)
    DO 1002 IC2=IC1+1,4
    K=KONVERT(IC1,IC2)
    IB=(IBAND+1)/3
    IBR=IB*3
    N2=M4(IC2)
    IPAIR=1+N2+2*N1
    MFREQ(IPAIR,K,IB) = MFREQ(IPAIR,K,IB)+1
    IF(IBR-IBAND)1002,0,1002
    MTHIN(IPAIR,K,IB) = MTHIN(IPAIR,K,IB)+1
1002 CONTINUE
1001 CONTINUE
```

```
      GO TO 49
   60 DO 2005 IC3=1,6
      DO 2004 IC4=1,6
      DO 2005 IC5=1,3,2
      GO TO(0,0,62),IC5
      IWW = MTHIN(1,IC4,IC3)
      IRR = MTHIN(4,IC4,IC3)
      IR1 = MTHIN(3,IC4,IC3)+IRR
      IR2 = MTHIN(2,IC4,IC3)+IRR
      GO TO 63
   62 IWW = MFREQ(1,IC4,IC3)
      IRR = MFREQ(4,IC4,IC3)
      IR1 = MFREQ(3,IC4,IC3)+IRR
      IR2 = MFREQ(2,IC4,IC3)+IRR
   63 ITOT= IWW*IR1+IR2-IRR
      IRW = IR1-IRR
      IWR = IR2-IRR
      CHIB=IR1*(ITOT-IR1)
      IF(CHIB)0,0,66
      CHI=-99
      GO TO 65
   66 CHIC=IR2*(ITOT-IR2)
      IF(CHIC)0,0,64
      CHI=-99
      GO TO 65
   64 WCHI=IABS(IWW*IRR-IRW*IWR)-0.5*ITOT
      CHIA=ITOT*WCHI
      CHI=CHIA/CHIB
      CHI=CHI/CHIC
      CHI=CHI*WCHI
   65 RECIP = 1.0/ITOT
      PWW = IWW*RECIP
      PWPW= RECIP*(ITOT-IR1)*RECIP*(ITOT-IR2)
      PRR = IRR*RECIP
      PRPR= RECIP*IR1*RECIP*IR2
      DIFFINDEX = 4*PRPR/(RECIP*IR1+RECIP*IR2)**2
      JBAND=IC3*3
      WRITE(2,13)NOWPT,JBAND,IC4,IC5,PWW,PWPW,PRR,PRPR,DIFFINDEX,
     +IWW,IWR,IRW,IRR,CHI,ITOT
 2005 CONTINUE
 2004 CONTINUE
 2005 CONTINUE
      IF(8888-ID)9999,52,9999
   770 WRITE(2,14)NOWPT,IPT,N
 9999 STOP
      END
      FINISH
****
```

ANNEX XII

PROGRAM 5 (ICL FORTRAN)

simulates the administration of a series of tailored tests using the response bank and initial estimate provided.

The program here is for the wide-response banks.

(This Annex is first referred to on p. 158)

```
      MASTER TAILORED300T4
      DIMENSION IPOINT(19,2),NEXTITEM(19,2),CPW(19,48),CPR(19,48),
     +KRESPW(101,52),KRESPR(101,52),NEXTRESP(52,2),NEXTCP(52,2),JOBQ(2),
     +DISTNOW(19),DIST(19),IBALEV(19,2),IALG(3,2),INDICT(2),JOBQX(2),
     +YPER(4),YCENT(4)
      NCOLS=52
      READ(6,5)IDTT,KINGB,JESTB,ISTRIDE,NBODMAX
      IF(JESTB-5)0.0,51
      JOBQ(2)=1
      JOBQ(1)=JESTB+4
      GO TO 52
   51 JOBQ(2)=JESTB-4
      IF(JESTB-15)53,0,0
      JOBQ(1)=19
      GO TO 52
   53 JOBQ(1)=JESTB+4
   52 DIFESTOP=3.8
      NBODS=0
    1 FORMAT(I2)
    2 FORMAT(101I1)
    3 FORMAT(F6.5)
    4 FORMAT(19F6.4)
    5 FORMAT(5I3)
   11 FORMAT(1H ,3HTT=,I6/1H ,10HSTEP SIZE=,I2/1H ,13HABILITY BAND=,I3,
     +21H     INITIAL ESTIMATE=,I3/1H ,18HINITIAL 75% LIMITS,I3,3H TO,I3)
   12 FORMAT(1H ,34X,18HTAIL BAND LOCATION)
   13 FORMAT(1H ,79HMAN    ITEM    R-W BALANCE    MOVE    SOUGHT DIFF. FOUND
     +    RESP    90 PERCENT LIMITS)
   14 FORMAT(1H ,79HNO.     NO.    O/ALL LEVEL    DIRN     R  W  -----  R  W
     +    -----    LOWER UPPER DIFF.)
   21 FORMAT(1H ,I3)
   22 FORMAT(1H+,79X,1H*)
   23 FORMAT(1H ,35X,16HTAIL CHANGE FROM,I2)
```

```
24 FORMAT(1H ,6X,I3,5X,I3,3X,I3,5X,I2,7X,I2,3X,I2,6X,I2,5X,I1,4X,
  +F5.2,1X,F5.2,1X,F5.2)
25 FORMAT(1H ,6X,I3,5X,I3,3X,I3,5X,I2,4X,I2,6X,I2,3X,I2,8X,I1,4X,
  +F5.2,1X,F5.2,1X,F5.2)
26 FORMAT(1H ,27HREQUIRED PRECISION ACHIEVED)
27 FORMAT(1H ,24HIMBALANCE LIMIT EXCEEDED)
28 FORMAT(1H ,35HSPECIFIED NUMBER OF TESTS COMPLETED)
29 FORMAT(1H ,I2)
30 FORMAT(1H ,5212)
31 FORMAT(1H ,19HRESPONSE POOL EMPTY)
32 FORMAT(1H ,8H770 EXIT)
   READ(1,1)IPOINT
   READ(2,1)NEXTITEM
   READ(3,2)KRESPW
   READ(4,2)KRESPR
   READ(5,1)NEXTRESP
   READ(7,1)NEXTCP
   READ(8,4)CPW,CPR
   READ(9,3)DIST
   IALG(1,1),IALG(2,1)=-1
   IALG(3,1),IALG(1,2),IALG(2,2)=0
   IALG(3,2)=+1
   VPER(1)=0.05
   VPER(2)=0.1
   VPER(3)=0.9
   VPER(4)=0.95
   WRITE(11,11)IDTT,ISTRIDE,KINGB,JESTB,JOBQ(2),JOBQ(1)
   WRITE(11,12)
   WRITE(11,13)
   WRITE(11,14)
60 INDICT(1)=1
   INDICT(2)=2
   IBALOV=0
   ITAIL=2
```

```
      DO 1001 L1=1,2
      DO 1001 L2=1,19
1001  IBALEV(L2,L1)=0
      DO 1003 L=1,19
1003  DISTNOW(L)=DIST(L)
      LUMPMOVE=0
      INDX=0
      JOBQX(1)=JOBQ(1)
      JOBQX(2)=JOBQ(2)
      NBOD=NBOD+1
      ITEM=0
      IF(NBOD-NBODMAX-1)0,9991,9991
      WRITE(11,21)NBOD
  100 ITEM=ITEM+1
      IF(IBALOV)0,61,62
      K1=1
      GO TO 63
   61 K1=2
      GO TO 63
   62 K1=3
   63 K2=JOBQX(ITAIL)
      K4=IBALEV(K2,ITAIL)
      IF(K4)0,64,64
      K6=1
      GO TO 65
   64 K6=2
   65 IMOVE=IALG(K1,K6)
      LUMPMOVE=LUMPMOVE+IMOVE
      IF(IMOVE)0,66,0
      KMOVE=(IMOVE+3)/2
      ITAIL=INDICT(KMOVE)
   66 NOWBAND=JOBQX(ITAIL)+IMOVE*ISTRIDE
      INIB=NOWBAND
      IF(NOWBAND-1)0,69,68
      NOWBAND=1
      GO TO 69
```

```
68 IF(19-NOWBAND)0,71,70
   NOWBAND=19
   GO TO 71
70 ITCO=NEXTITEM(NOWBAND,ITAIL)
   IF(ITCO)0,70,67
   IF(1+ITCO)71,69,770
69 NOWBAND=NOWBAND+1
   IF(NOWBAND-18)0,0,9990
   ITCO=NEXTITEM(NOWBAND,ITAIL)
   IF(ITCO)69,0,67
   NEXTITEM(NOWBAND,ITAIL)=-1
   GO TO 69
71 NOWBAND=NOWBAND-1
   IF(NOWBAND-2)9990,0,0
   ITCO=NEXTITEM(NOWBAND,ITAIL)
   IF(ITCO)71,0,67
   NEXTITEM(NOWBAND,ITAIL)=-2
   GO TO 71
72 IF(IMOVE)0,80,0
   NOWBAND=NOWBAND+IMOVE
   ITCO=NEXTITEM(NOWBAND,ITAIL)
   IF(ITCO)0,0,67
   NOWBAND=NOWBAND-IMOVE*2
   GO TO 67
80 NOWBAND=NOWBAND-1
   ITCO=NEXTITEM(NOWBAND,ITAIL)
   IF(ITCO)0,0,67
   NOWBAND=NOWBAND+2
   GO TO 67
79 ITCOB=NEXTITEM(NOWBAND-1,ITAIL)
   IF(ITCOB)0,0,72
   ITCOA=NEXTITEM(NOWBAND+1,ITAIL)
```

```
      IF(ITCOA)0,0,72
      WRITE(11,22)
      LOOK,NOWR1=0
      DO 1004 L=1,INIB
      K7=INIB+1-L
      ITCO=NEXTITEM(K7,1)
      IF(ITCO)73,1004,0
      IF(LOOK)770,0,1004
      LOOK=1
      NOWR1=K7
1004  CONTINUE
   73 DO 1005 L=K7+1,INIB
      ITCO=NEXTITEM(L,ITAIL)
      IF(ITCO)770,0,74
      NEXTITEM(L,ITAIL)=-1
1005  CONTINUE
   74 LOOK,NOWR2=0
      DO 1006 L6=INIB,19
      ITCO=NEXTITEM(L6,ITAIL)
      IF(ITCO)75,1006,0
      IF(LOOK)770,0,1006
      LOOK=1
      NOWR2=L6
1006  CONTINUE
   75 DO 1007 L=INIB,16-1
      K8=INIB+L6-1-L
      ITCO=NEXTITEM(K8,ITAIL)
      IF(ITCO)770,0,76
      NEXTITEM(K8,ITAIL)=-2
1007  CONTINUE
```

```
 76 IF(NOWB1+NOWB2)770,9990,0
    IF(NOWB1)770,78,0
    IF(NOWB2)770,77,0
    IF(IMOVE)77,0,78
    KDIFF1=INIB-NOWB1
    KDIFF2=NOWB2-INIB
    IF(KDIFF1-KDIFF2)0,0,78
 77 NOWBAND=NOWB1
    GO TO 67
 78 NOWBAND=NOWB2
    GO TO 67
 67 MISSBAND=NOWBAND-INIB
    ITCO=NEXTITEM(NOWBAND,ITAIL)
    JOBOX(ITAIL)=NOWBAND
    IRESPX=NEXTRESP(ITCO,ITAIL)
    IF(ITAIL-1)770,0,201
    IRESP=KRESPW(IRESPX,ITCO)
    LOOKRESP=KRESPW(IRESPX+1,ITCO)
    GO TO 81
201 IRESP=KRESPR(IRESPX,ITCO)
    LOOKRESP=KRESPR(IRESPX+1,ITCO)
 81 IF(LOOKRESP-8)0,82,83
    NEXTRESP(ITCO,ITAIL)=IRESPX+1
    GO TO 84
 82 NEXTITEM(NOWBAND,ITAIL)=ITCO+1
    NEXTRESP(ITCO,ITAIL)=0
    GO TO 84
 83 K9=IPOINT(NOWBAND+1,ITAIL)
    NEXTRESP(ITCO,ITAIL)=0
    IF(K9)0,770,0
    IF(ITAIL-1)770,0,102
    IF(KRESPW(1,ITCO+1)-9)103,0,103
    ITCO=ITCO+1
    NEXTRESP(ITCO-1,ITAIL)=0
    GO TO 103
```

```
102 IF(KRESPR(1,ITCO+1)-9)103,0,103
    NEXTRESP(ITCO,ITAIL)=0
    ITCO=ITCO+1
103 IF(K9)0,770,85
    IF(ITCO-NCOIS)82,87,770
 85 IF(ITCO+1-K9)82,87,770
 87 NEXTITEM(NOWBAND,ITAIL)=0
 84 IBALOV=IBALOV+IRESP*2-1
    IBALEV(NOWBAND,ITAIL)=IBALEV(NOWBAND,ITAIL)+IRESP*2-1
    K10=IABS(IBALOV)
    IF(9-K10)0,91,92
    IF(18-K10)770,8880,92
 91 IF(IBALOV*IBALEV(NOWBAND,ITAIL))92,0,0
    IF(INDX)770,0,92
    INDX=1
    WRITE(11,23)ITAIL
    IF(ITAIL-1)770,0,93
    INDICT(1)=2
    JOBQX(2)=5
    GO TO 92
 93 INDICT(2)=1
    JOBQX(1)=15
 92 ICP=NEXTCP(ITCO,ITAIL)
    DISTSUM=0.
    XCP=2*IRESP-1
    YCP=1-IRESP
    IF(ITAIL-1)770,0,94
    DO 1008 L=1,19
    DISTNOW(L)=DISTNOW(L)*(CPW(L,ICP)*XCP+YCP)
1008 DISTSUM=DISTSUM+DISTNOW(L)
```

```
      GO TO 95
   94 DO 1009 L=1,19
      DISTNOW(L)=DISTNOW(L)*(CPR(L,ICP)*XCP+YCP)
 1009 DISTSUM=DISTSUM+DISTNOW(L)
   95 DO 1010 L=1,19
 1010 DISTNOW(L)=DISTNOW(L)/DISTSUM
      CALL CENTILES(DISTNOW,YPER,YCENT)
      DIFF9=YCENT(4)-YCENT(1)
   97 IF(ITAIL-1)770,0,96
      WRITE(11,24)ITEM,IBALOV,IBALEV(NOWBAND,ITAIL),IMOVE,INIB,MISSBAND,
     +NOWBAND,IRESP,YCENT(1),YCENT(4),DIFF9
      IF(DIFFSTOP-DIFF9)100,101,101
   96 WRITE(11,25)ITEM,IBALOV,IBALEV(NOWBAND,ITAIL),IMOVE,INIB,MISSBAND,
     +NOWBAND,IRESP,YCENT(1),YCENT(4),DIFF9
      IF(DIFFSTOP-DIFF9)100,0,0
  101 WRITE(11,26)
      GO TO 60
 8880 WRITE(11,27)
      GO TO 60
 9991 WRITE(11,28)
      WRITE(12,29)NEXTITEM
      WRITE(12,29)NEXTRESP
      STOP
```

```
9990 WRITE(11,31)
     STOP
 770 WRITE(11,32)
     GO TO 97
     END
     SUBROUTINE CENTILES(UN,PER,CENT)
     DIMENSION UN(19),PER(4),CENT(4)
     CUMP,PRIOR,SUM,SUMLAST=0.
     JAB=1
     WPER=PER(1)
     DO 8900 ICB=1,19
     CURP=UN(ICB)
     PRIOR=CUMP
     CUMP=CUMP+CURP
     SUMLAST=SUM
     SUM=SUM+CURP*ICB
8901 IF(CUMP-WPER)8900.0,0
     CENT(JAB)=(WPER-PRIOR)/CURP+ICB-0.5
     JAB=JAB+1
     IF(JAB-4)0,0,8902
     WPER=PER(JAB)
     GO TO 8901
8900 CONTINUE
8902 CONTINUE
     RETURN
     END
     FINISH
```

ANNEX XIII

(continued from Figure 27)

Graph plots of cumulative derived distributions for the remaining library items.

Explanation

Graphs of this kind appear in Figure 27. This Annex is first referred to on p. 189.

Each item is identified at the foot of the plot and an appended W or R shows membership of the W-set or R-set.

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/1 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2,'2, R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/4 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/5 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/6 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/7 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2,10 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
2/11 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/12 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/5 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/6 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/8 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/13 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
3/17 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/2 R
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/5 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/6 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/7 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/11 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/17 WR
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
4/19 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/3 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/4 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/6 W
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10⁻¹
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/7 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/11 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/12 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/13 R
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
5/19 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/2 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/3 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/4 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/5 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/6 VR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
6/7 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

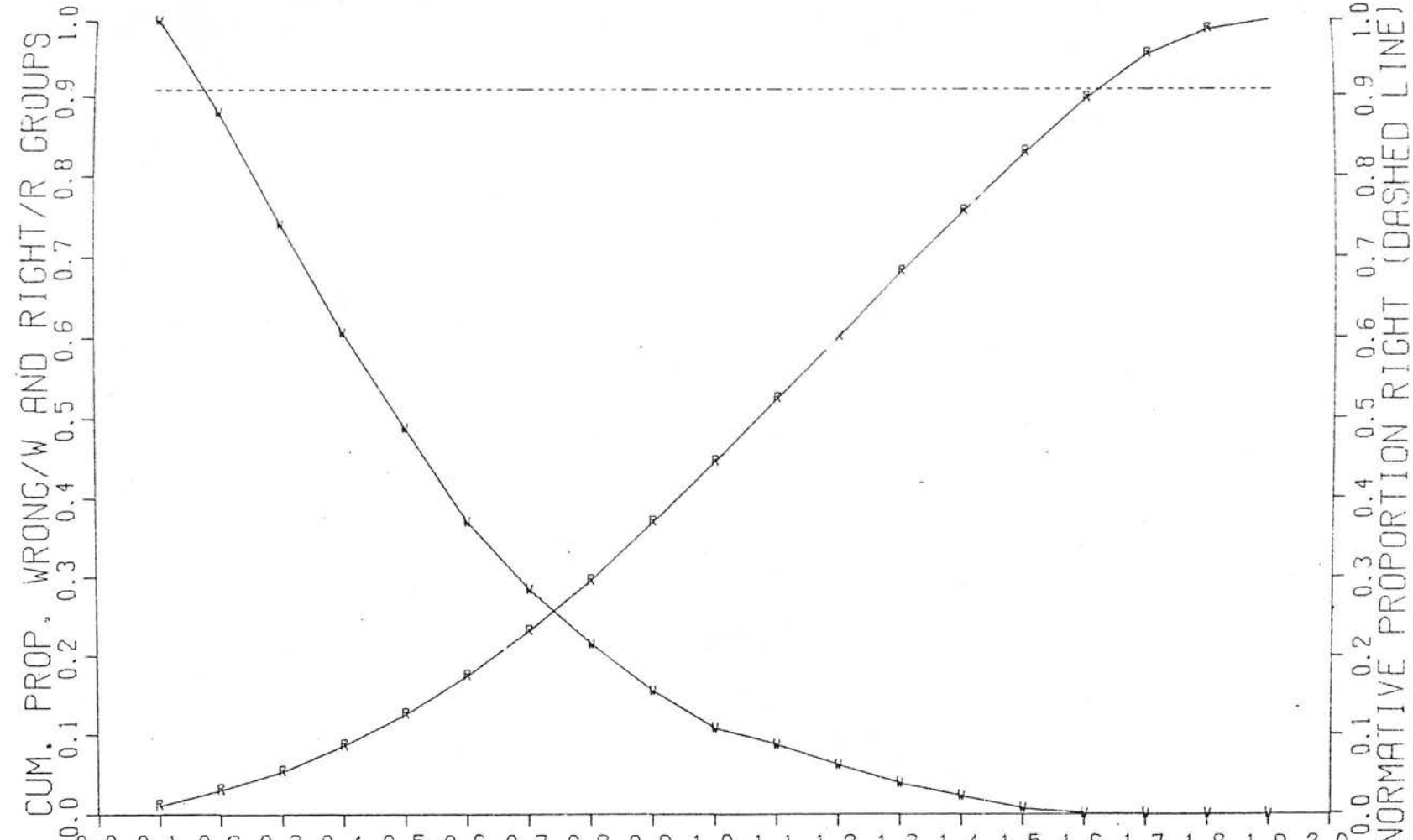
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/4 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/5 R
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/6 W'
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/7 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/8 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0



CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

7/11 R

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/13 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

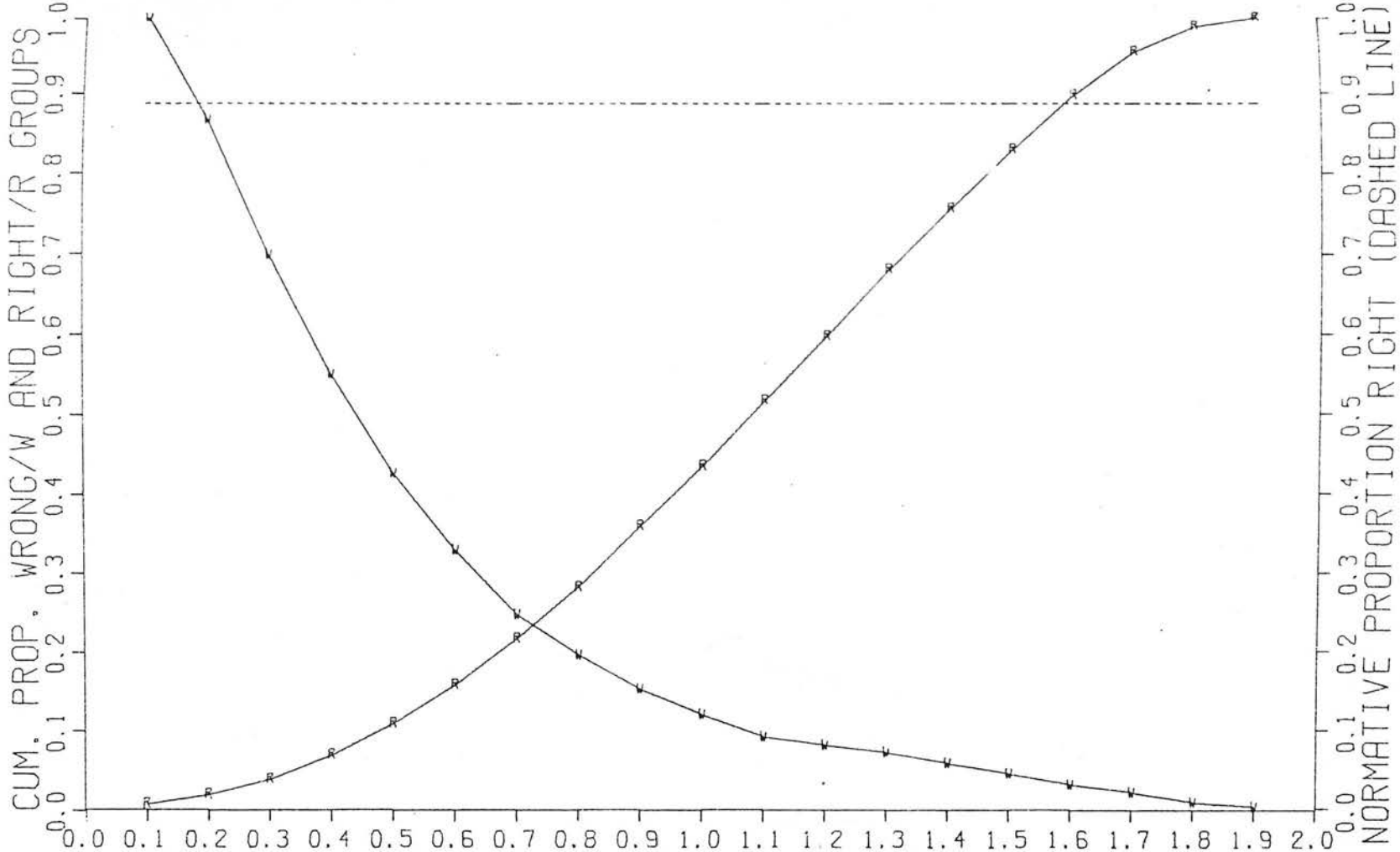
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
7/19 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/1 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/3 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

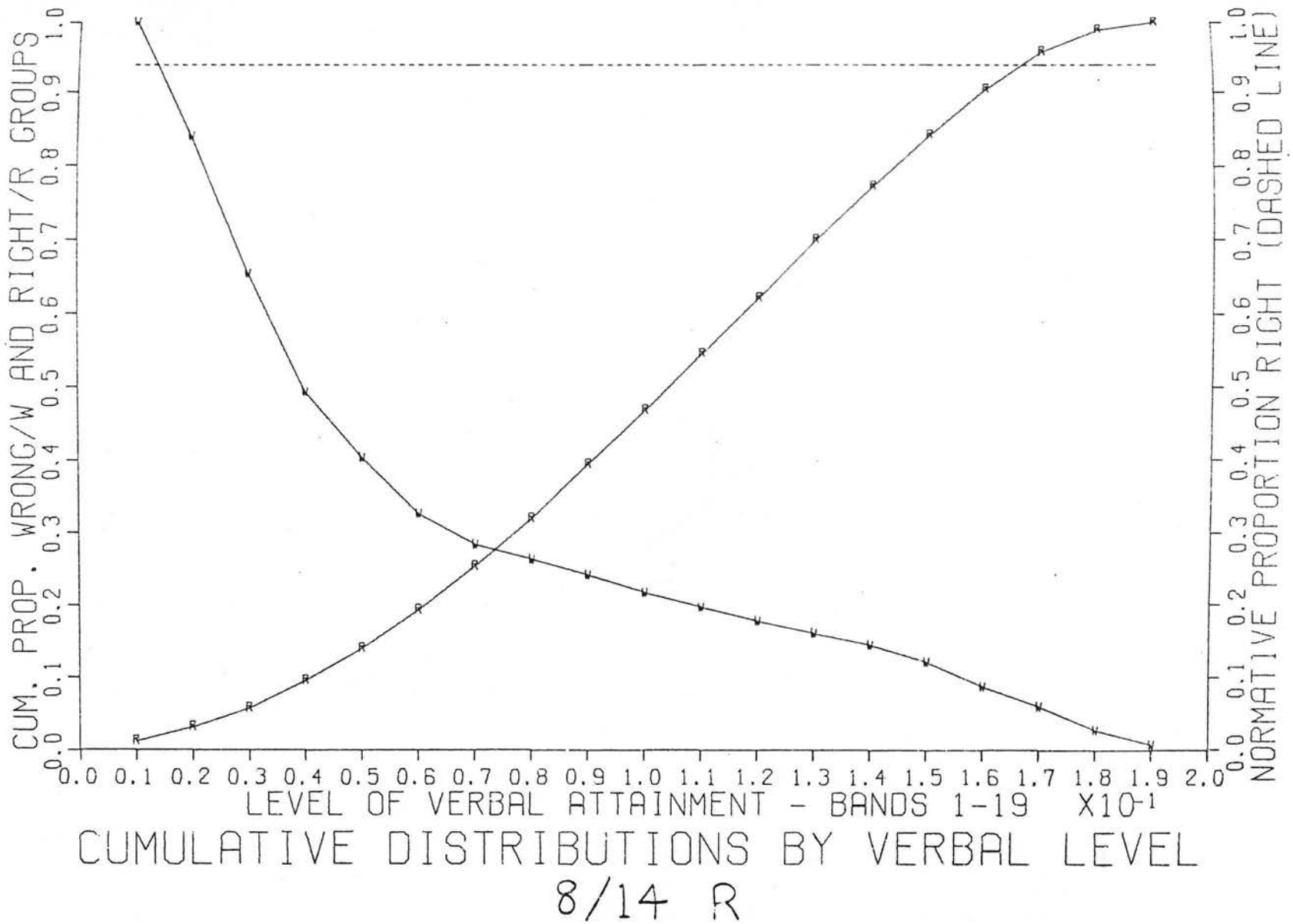
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/7 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/8 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

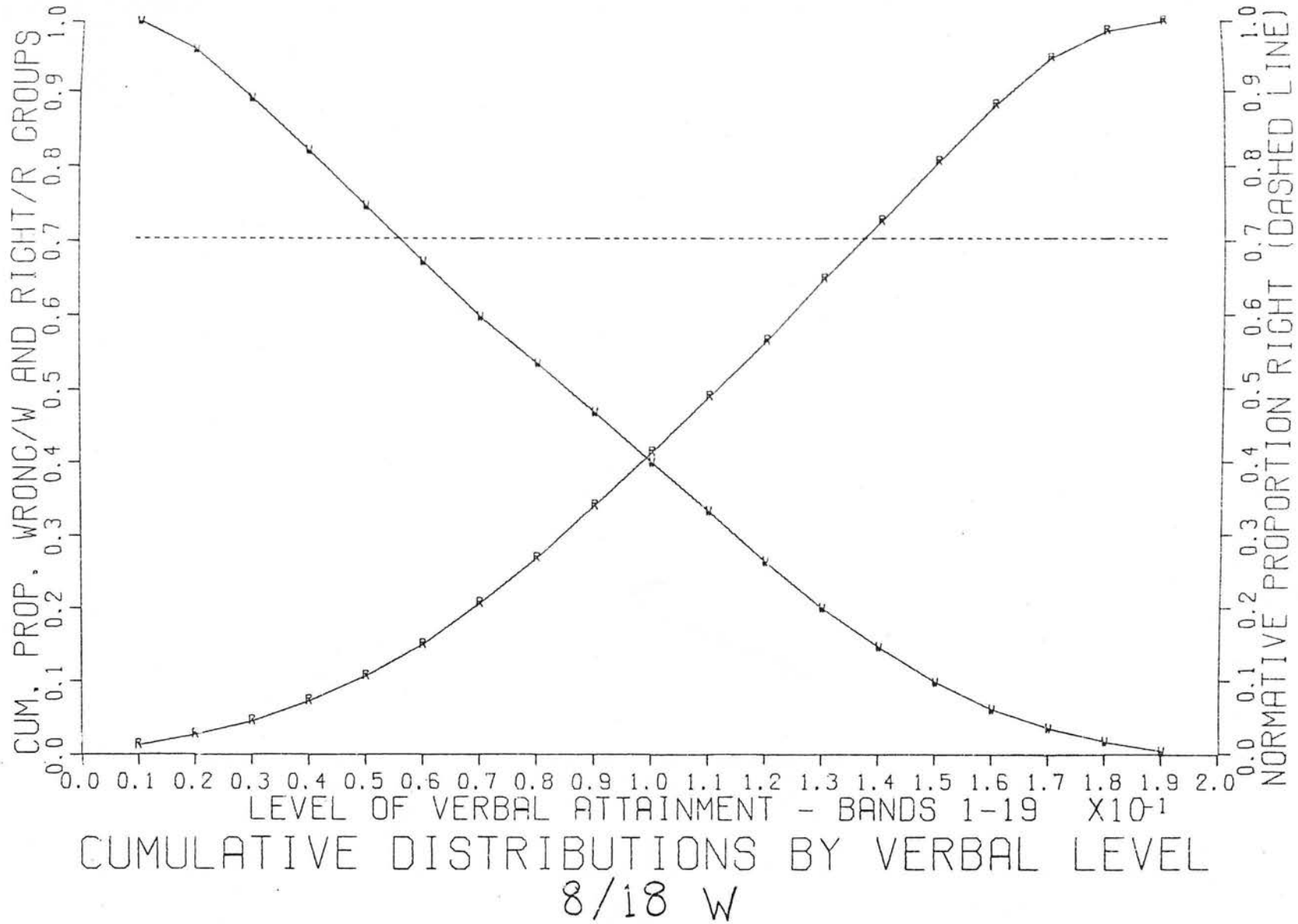


CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

8/13 R


CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/14 R

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
8/15 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

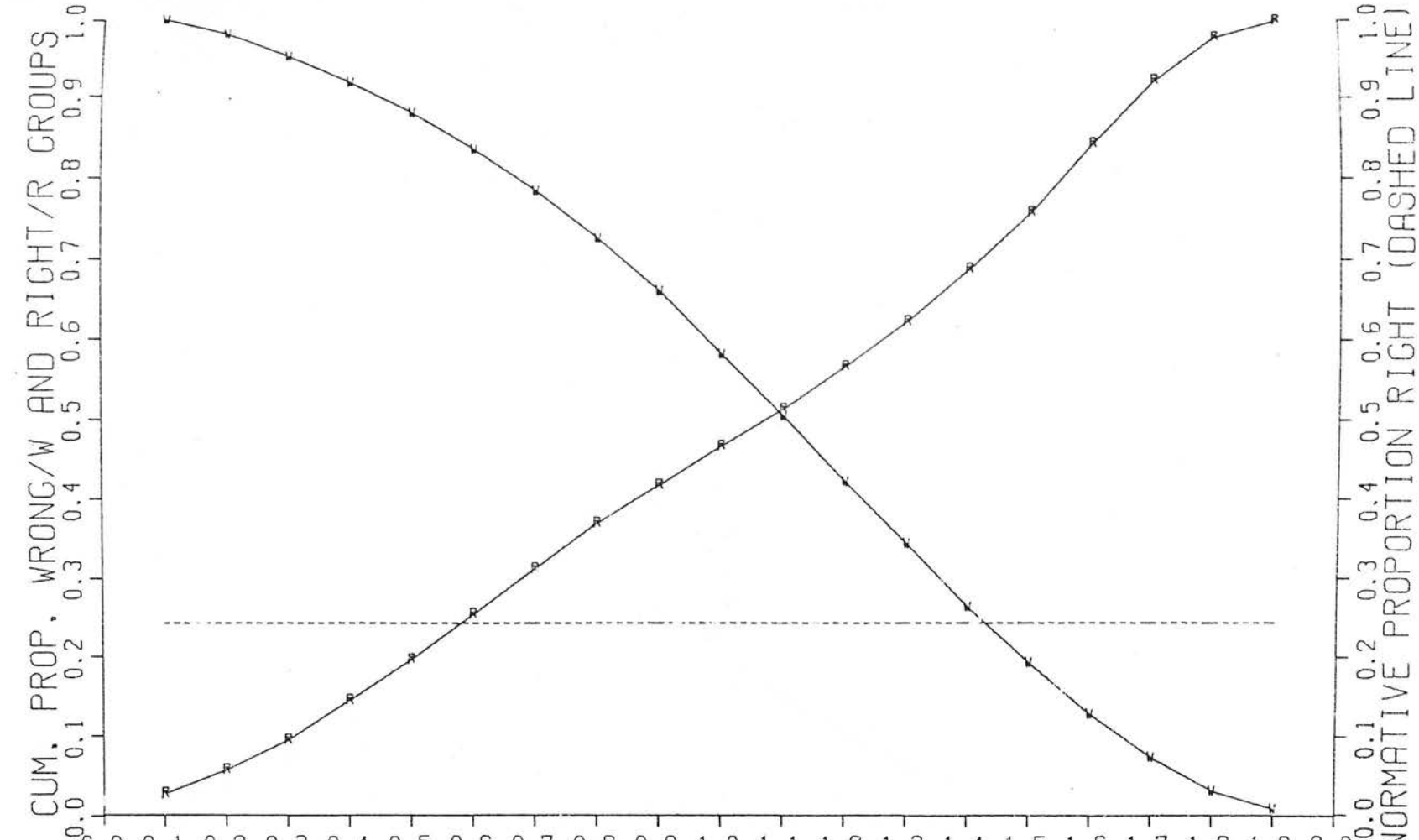


CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

8/18 W

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
9/1 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
9/7 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0



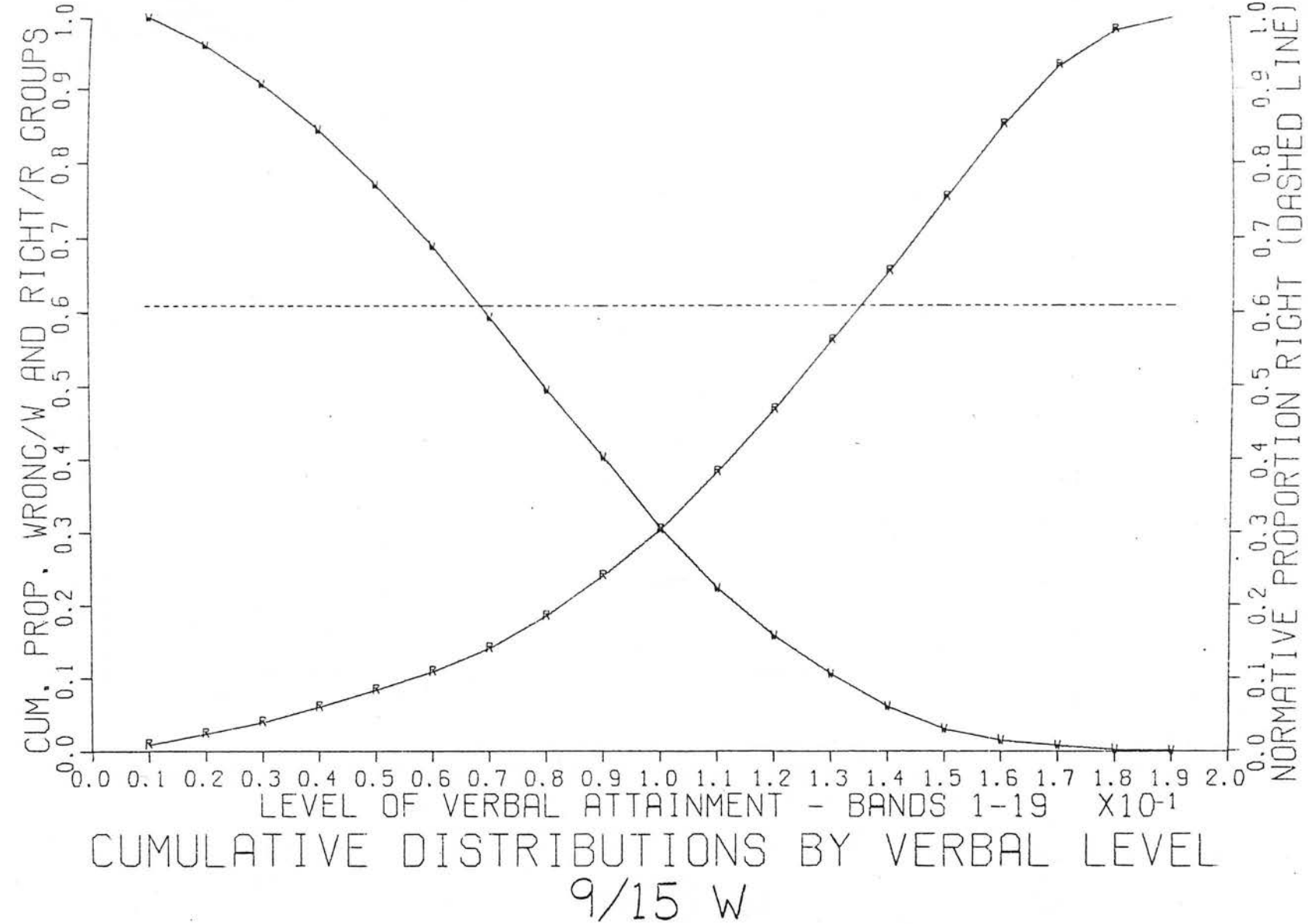
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

9/8 W

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
9/9 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

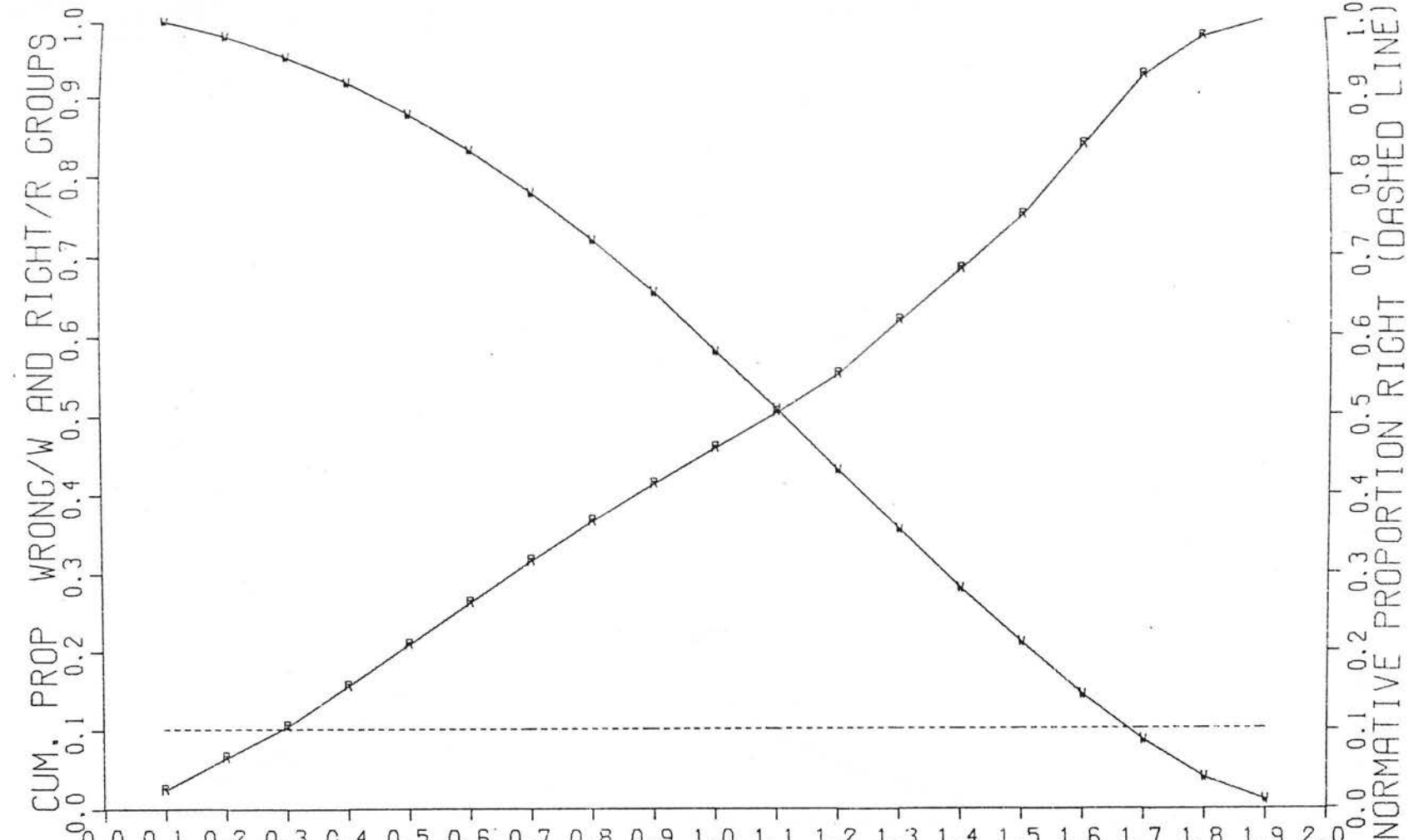
CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
9/10 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
9/13 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0



CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

9/15 W



CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL

9/18 W

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/1 WR
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/2 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/6 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/7 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/8 W
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/9 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
10/17 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/9 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/10 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/11 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/13 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/14 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
11/19 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/7 R
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/8 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/10 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/12 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/15 R
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
NORMATIVE PROPORTION RIGHT (DASHED LINE)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/18 W
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

CUMULATIVE DISTRIBUTIONS BY VERBAL LEVEL
12/20 WR
CUM. PROP. WRONG/W AND RIGHT/R GROUPS
NORMATIVE PROPORTION RIGHT (DASHED LINE)
LEVEL OF VERBAL ATTAINMENT - BANDS 1-19 X10-1
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

ANNEX XIV

Item-pair probabilities, cell frequencies, and Chi-Square values for all pairings of library items within set within test for six levels of attainment and for narrow and wide levels.

W-set items	XIV - 3 to XIV - 26
R-set items	XIV - 27 to XIV - 50

Explanation

See next page.

ANNEX XIV - EXPLANATION

This Annex provides the basis for establishing the tenability of the assumption of local independence. It is first referred to on p. 202.

Each line of the tabulation refers to one contingency table. The first line on page XIV - 3 begins 1 3 1 1. The interpretation of these four entries is as follows:-

1st : test number

2nd : attainment level by band

3rd : an identification of the item-pair.
As there are four items in a test within one set, there are six possible pairs. This 3rd entry thus takes values 1 to 6.

4th : 1 indicates a narrow attainment level,
3 a wide attainment level, that is, 1 and 3 bands wide respectively.

The next four values in the same line are:-

0·6250 0·5625 0·1250 0·0625

These four values are probabilities. Referring to the contingency table diagram on p. 140 the probabilities are:

(WW)/N, (WX)/N x (WY)/N, (RR)/N, (RX)/N x (RY)/N.

The next value in the line, 0·10000E 01, can be ignored for present purposes.

The next four values, 5 1 1 1, are the cell frequencies

(WW) (WR) (RW) (RR).

The next value, 0·00000E 00, is the value of Chi-Square in exponent form with Yates correction. It happens to be zero here. A conventional value of -99 is used if Chi-Square cannot be evaluated. The final value 8, is the number of recruits in the contingency table.

```
1  3 1 10.62500,56250.12500.0625 0.10000E 01   5   1   1   1 0.00000E 00   8
1  3 1 30.52170,51420.08700.0794 0.99408E 00  12   5   4   2 0.11325E 00  23
1  3 2 10.50000,46880.12500.0938 0.96000E 00   4   2   1   1 0.17778E 00   8
1  3 2 30.47830,44990.13040.1021 0.96000E 00  11   6   3   3 0.21923E-01  23
1  3 3 10.75000,75000.00000.0000 0.00000E 00   6   0   2   0-0.99000E 02   8
1  3 3 30.52170,57840.00000.0567 0.99174E 00  12   5   6   0 0.85749E 00  23
1  3 4 10.62500,46880.25000.0938 0.96000E 00   5   1   0   2 0.16000E 01   8
1  3 4 30.52170,42340.21740.1191 0.98438E 00  12   4   2   3 0.26733E 01  23
1  3 3 10.75000,75000.00000.0000 0.00000E 00   6   0   2   0-0.99000E 02   8
1  3 3 30.60870,54440.13040.0662 0.97222E 00  14   2   4   3 0.11551E 01  23
1  3 6 10.62500,62500.00000.0000 0.00000E 00   5   0   3   0-0.99000E 02   8
1  3 6 30.43480,47640.04350.0851 0.91837E 00  10   4   8   1 0.22361E 00  23
1  6 1 10.47370,46540.10530.0970 0.97222E 00   9   5   3   2 0.13652E 00  19
1  6 1 30.50940,47350.13210.0961 0.99174E 00  27  11   8   7 0.81917E 00  53
1  6 2 10.21050,27150.10530.1662 0.83045E 00   4  10   3   2 0.30489E 00  19
1  6 2 30.26420,29760.13210.1655 0.87902E 00  14  24   8   7 0.62119E 00  53
1  6 3 10.57890,58170.05260.0554 0.98765E 00  11   3   4   1 0.32685E 00  19
1  6 3 30.54720,55460.05660.0641 0.98765E 00  29   9  12   3 0.37169E-02  53
1  6 4 10.31580,23270.31580.2327 0.93075E 00   6   6   1   6 0.11316E 01  19
1  6 4 30.33960,27410.26420.1986 0.92961E 00  18  17   4  14 0.30599E 01  53
1  6 3 10.57890,49860.15790.0776 0.92562E 00  11   1   4   3 0.14355E 01  19
1  6 3 30.54720,51090.11320.0769 0.96000E 00  29   6  12   6 0.97468E 00  53
1  6 6 10.26320,29090.10530.1330 0.75000E 00   5   2  10   2 0.94246E-03  19
1  6 6 30.30190,32110.11320.1524 0.80476E 00  16   6  25   6 0.11945E 00  53
1  9 1 10.41180,34260.23550.1661 0.97959E 00   7   4   2   4 0.47312E 00  17
1  9 1 30.47060,40370.19610.1292 0.98174E 00  24  11   6  10 0.31878E 01  51
1  9 2 10.00000,03810.29410.3522 0.79339E 00   0  11   1   3 0.10062E 00  17
1  9 2 30.11760,16150.19610.2399 0.82512E 00   6  29   6  10 0.15241E 01  51
1  9 3 10.58820,53290.11760.0623 0.88889E 00  10   1   4   2 0.34497E 00  17
1  9 3 30.58820,55170.09800.0615 0.94675E 00  30   5  11   3 0.10729E 01  51
1  9 4 10.05880,03110.47060.4429 0.88889E 00   1   8   0   8 0.36892E-02  17
1  9 4 30.15690,13840.33330.3149 0.91000E 00   8  22   4  17 0.87569E-01  51
1  9 3 10.52940,43000.17650.0830 0.79339E 00   9   0   5   3 0.19240E 01  17
1  9 3 30.50980,47290.11760.0807 0.87409E 00  26   4  15   6 0.98135E 00  51
1  9 6 10.05880,04840.17650.1661 0.53186E 00   1   0  13   3 0.76525E 00  17
1  9 6 30.17650,18920.13730.1499 0.64973E 00   9   3  32   7 0.14951E-01  51
```

```
 1 12 1 10.42860.35710.21430.1429 0.92562E 00  12   8   2   6 0.15750E 01  28
 1 12 1 30.35230.29830.25000.1960 0.97292E 00  31  24  11  22 0.35103E 01  88
 1 12 2 10.14290.10200.28570.2449 0.75000E 00   4  16   0   8 0.59063E 00  28
 1 12 2 30.14770.12070.32950.3026 0.86649E 00  13  42   4  29 0.10936E 01  88
 1 12 3 10.46430.43370.14290.1122 0.97507E 00  13   7   4   4 0.93583E-01  28
 1 12 3 30.34090.31250.21590.1875 0.97959E 00  30  25  14  19 0.77576E 00  88
 1 12 4 10.07140.07140.42860.4286 0.93075E 00   2  12   2  12 0.29167E 00  28
 1 12 4 30.11360.09220.44320.4217 0.95434E 00  10  32   7  39 0.56168E 00  88
 1 12 5 10.42860.30360.32140.1964 0.98560E 00  12   2   5   9 0.53904E 01  28
 1 12 5 30.28410.23860.30680.2614 0.99951E 00  25  17  19  27 0.22319E 01  88
 1 12 6 10.10710.08670.35710.3367 0.86204E 00   3   1  14  10 0.62389E-02  28
 1 12 6 30.10230.09660.40910.4034 0.94488E 00   9   8  35  36 0.00000E 00  88
 1 15 1 10.26320.09970.63160.4681 0.10000E 01   5   1   1  12 0.76520E 01  19
 1 15 1 30.19740.13450.43420.3714 0.97103E 00  15  22   6  33 0.48165E 01  76
 1 15 2 10.05260.01660.68420.6482 0.97399E 00   1   5   0  13 0.16578E 00  19
 1 15 2 30.03950.01920.51320.4929 0.90784E 00   3  34   0  39 0.15009E 01  76
 1 15 3 10.00000.01660.63160.6482 0.97399E 00   0   6   1  12 0.16578E 00  19
 1 15 3 30.14470.10250.44740.4051 0.95500E 00  11  26   5  34 0.23281E 01  76
 1 15 4 10.05260.01660.68420.6482 0.97399E 00   1   5   0  13 0.16578E 00  19
 1 15 4 30.03950.01090.72370.6951 0.98022E 00   3  18   0  55 0.48461E 01  76
 1 15 5 10.00000.01660.63160.6482 0.97399E 00   0   6   1  12 0.16578E 00  19
 1 15 5 30.09210.05820.60530.5713 0.99811E 00   7  14   9  46 0.17111E 01  76
 1 15 6 10.00000.00480.89470.8975 0.10000E 01   0   1   1  17 0.42369E 01  19
 1 15 6 30.02630.00830.77630.7583 0.99045E 00   2   1  14  59 0.15747E 01  76
 1 18 1 10.00000.00310.88890.8920 0.10000E 01   0   1   1  16 0.59862E 01  18
 1 18 1 30.00000.00480.85710.8600 0.99737E 00   0   5   1  36 0.14175E 01  42
 1 18 2 10.00000.00000.94440.9444 0.99918E 00   0   1   0  17-0.99000E 02  18
 1 18 2 30.00000.00000.88100.8810 0.99599E 00   0   5   0  37-0.99000E 02  42
 1 18 3 10.00000.00000.94440.9444 0.99918E 00   0   1   0  17-0.99000E 02  18
 1 18 3 30.00000.00000.88100.8810 0.99599E 00   0   5   0  37-0.99000E 02  42
 1 18 4 10.00000.00000.94440.9444 0.99918E 00   0   1   0  17-0.99000E 02  18
 1 18 4 30.00000.00000.97620.9762 0.99985E 00   0   1   0  41-0.99000E 02  42
 1 18 5 10.00000.00000.94440.9444 0.99918E 00   0   1   0  17-0.99000E 02  18
 1 18 5 30.00000.00000.97620.9762 0.99985E 00   0   1   0  41-0.99000E 02  42
 1 18 6 10.00000.00001.00001.0000 0.10000E 01   0   0   0  18-0.99000E 02  18
 1 18 6 30.00000.00001.00001.0000 0.10000E 01   0   0   0  42-0.99000E 02  42
```

```
 2  3  1  10.33330,37500,08330,1250  0.88889E 00    4    2    5    1  0.00000E 00   12
 2  3  1  30.38240,40480,08820,1107  0.88889E 00   13    5   13    3  0.45974E-01   34
 2  3  2  10.25000,29170,16670,2083  0.99174E 00    3    3    4    2  0.00000E 00   12
 2  3  2  30.35290,28030,29410,2215  0.10000E 01   12    6    6   10  0.18401E 01   34
 2  3  3  10.50000,45830,08330,0417  0.48980E 00    6    0    5    1  0.00000E 00   12
 2  3  3  30.50000,48270,05880,0415  0.53186E 00   17    1   14    2  0.11425E-01   34
 2  3  4  10.50000,43750,16670,1042  0.93750E 00    6    3    1    2  0.11429E 00   12
 2  3  4  30.38240,40480,08820,1107  0.88889E 00   13   13    5    3  0.45974E-01   34
 2  3  5  10.66670,68750,00000,0208  0.75000E 00    8    1    3    0  0.36364E 00   12
 2  3  5  30.70590,69720,02940,0208  0.79339E 00   24    2    7    1  0.86125E-01   34
 2  3  6  10.50000,53470,00000,0347  0.55556E 00    6    1    5    0  0.51169E-01   12
 2  3  6  30.47060,48270,02940,0415  0.53186E 00   16    2   15    1  0.11425E-01   34
 2  6  1  10.63640,57850,09090,0331  0.64000E 00    7    0    3    1  0.88393E-01   11
 2  6  1  30.34090,31610,13640,1116  0.70531E 00   15    2   21    6  0.22501E 00   44
 2  6  2  10.45450,28930,36360,1983  0.96000E 00    5    2    0    4  0.27553E 01   11
 2  6  2  30.20450,12290,50000,4184  0.99723E 00    9    8    5   22  0.42215E 01   44
 2  6  3  10.63640,57850,09090,0331  0.64000E 00    7    0    3    1  0.88393E-01   11
 2  6  3  30.36360,36880,02270,0279  0.25684E 00   16    1   26    1  0.16433E 00   44
 2  6  4  10.45450,41320,09090,0496  0.48980E 00    5    5    0    1  0.91667E-02   11
 2  6  4  30.31820,26030,18180,1240  0.66482E 00   14   22    0    8  0.29464E 01   44
 2  6  5  10.90910,82640,09090,0083  0.10000E 01   10    0    0    1  0.22275E 01   11
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10  6 6 30.62960,63610,00000,0065 0.19000E 00   34    1   19    0 0.98056E-01  54
10  9 1 10.00000,03170,28570,3175 0.76818E 00    0    1   14    6 0.13125E 00  21
10  9 1 30.02900,03950,28990,3004 0.75571E 00    2    2   45   20 0.61662E-01  69
10  9 2 10.04760,03400,28570,2721 0.71006E 00    1    0   14    6 0.23625E 00  21
10  9 2 30.04350,03280,42030,4096 0.86427E 00    3    1   36   29 0.61753E-01  69
10  9 3 10.04760,03850,19050,1814 0.55556E 00    1    0   16    4 0.65239E 00  21
10  9 3 30.05800,05210,10140,0956 0.35108E 00    4    0   58    7 0.25835E-01  69
10  9 4 10.52380,47620,14290,0952 0.99408E 00   11    3    4    3 0.26250E 00  21
10  9 4 30.36230,38500,11590,1386 0.97633E 00   25   22   14    8 0.30812E 00  69
10  9 5 10.57140,53970,09520,0635 0.92562E 00   12    2    5    2 0.38603E-01  21
10  9 5 30.60870,61210,02900,0323 0.73246E 00   42    5   20    2 0.52624E-01  69
10  9 6 10.61900,57820,09520,0544 0.96000E 00   13    2    4    2 0.19301E 00  21
10  9 6 30.52170,50790,05800,0441 0.61359E 00   36    3   26    4 0.13483E 00  69
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10 12 2 30.01180,00830,63530,6318 0.95883E 00   1   1  29  54 0.95039E-01  85
10 12 3 10.03230,02500,22580,2185 0.61359E 00   1   0  23   7 0.44439E 00  31
10 12 3 30.01180,01880,18820,1953 0.56440E 00   1   1  67  16 0.32003E-01  85
10 12 4 10.12900,14570,35480,3715 0.98892E 00   4  10   6  11 0.15506E-03  31
10 12 4 30.14120,14950,36470,3730 0.99667E 00  12  24  18  31 0.89436E-02  85
10 12 5 10.29030,34960,06450,1238 0.82639E 00   9   5  15   2 0.13353E 01  31
10 12 5 30.34120,33880,11760,1153 0.76492E 00  29   7  39  10 0.27105E-01  85
10 12 6 10.32260,24970,22580,1530 0.75000E 00  10   0  14   7 0.26099E 01  31
10 12 6 30.31760,28240,16470,1294 0.72145E 00  27   3  41  14 0.20123E 01  85
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 1  3  3 30.00000.02650.34780.3743 0.82414E 00    0    1   14    8 0.51858E-01   23
 1  3  4 10.25000.15630.37500.2813 0.88889E 00    2    3    0    3 0.17778E 00    8
 1  3  4 30.21740.18150.26090.2250 0.82639E 00    5   11    1    6 0.11325E 00   23
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 1  6  1 10.00000.03320.57890.6122 0.98222E 00    0    2    6   11 0.44778E-01   19
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 1 18 3 30.00000.00001.00001.0000 0.10000E 01   0   0   0  42-0.99000E 02  42
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 1 18 5 10.00000.00001.00001.0000 0.10000E 01   0   0   0  18-0.99000E 02  18
 1 18 5 30.00000.00001.00001.0000 0.10000E 01   0   0   0  42-0.99000E 02  42
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2 12 2 10.00000-.00130.92860.9298 0.10000E 01  0  1  1 26 0.64911E 01 28
2 12 2 30.00000-.00310.87800.8812 0.99933E 00  0  3  7 72 0.26361E 00 82
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2 12 5 10.00000-.00001.00001.0000 0.10000E 01  0  0  0 28-0.99000E 02 28
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2 15 3 30.00000-.00080.92310.9239 0.99929E 00  0  5  1 72 0.32083E 01 78
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2 15 5 30.00000-.00030.96150.9619 0.99996E 00  0  2  1 75 0.91235E 01 78
2 15 6 10.00000-.00180.90910.9109 0.99975E 00  0  2  1 30 0.34971E 01 33
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2 18 2 30.00000-.00000.97140.9714 0.99979E 00  0  0  1 34-0.99000E 02 35
2 18 3 10.00000-.00001.00001.0000 0.10000E 01  0  0  0  8-0.99000E 02  8
2 18 3 30.00000-.00001.00001.0000 0.10000E 01  0  0  0 35-0.99000E 02 35
2 18 4 10.00000-.00000.87500.8750 0.99556E 00  0  1  0  7-0.99000E 02  8
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2 18 5 10.00000-.00000.87500.8750 0.99556E 00  0  1  0  7-0.99000E 02  8
2 18 5 30.00000-.00000.97140.9714 0.99979E 00  0  1  0 34-0.99000E 02 35
2 18 6 10.00000-.00001.00001.0000 0.10000E 01  0  0  0  8-0.99000E 02  8
2 18 6 30.00000-.00000.97140.9714 0.99979E 00  0  1  0 34-0.99000E 02 35
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3  3  3  10.36360.39670.09090.1240  0.93750E 00    4    2    4    1  0.34375E-01   11
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3  3  4  30.71790.72980.00000.0118  0.59504E 00   28    2    9    0  0.43919E-02   39
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3  3  6  10.63640.66120.00000.0248  0.75000E 00    7    3    1    0  0.28646E 00   11
3  3  6  30.61540.63250.00000.0171  0.46222E 00   24   13    2    0  0.65878E-01   39
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3  6  3  10.07140.10200.21430.2449  0.75000E 00    1    1    9    3  0.14583E-01   14
3  6  3  30.06120.07000.46940.4781  0.96450E 00    3    5   18   23  0.31123E-02   49
3  6  4  10.64290.61220.07140.0408  0.88889E 00    9    3    1    1  0.14583E-01   14
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3  6  5  30.24490.27110.18370.2099  0.95274E 00   12   19    9    9  0.22136E 00   49
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3  9  2  10.10340.07130.31030.2782  0.76408E 00    3    0   17    9  0.32274E 00   29
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3 15 3 30.00000.00000.94370.9437 0.99916E 00   0   0   4  67-0.99000E 02  71
3 15 4 10.04000.00800.80000.7680 0.99174E 00   1   0   4  20 0.58594E 00  25
3 15 4 30.01410.00710.80280.7959 0.99498E 00   1   2  11  57 0.12290E-03  71
3 15 5 10.00000.00160.92000.9216 0.10000E 01   0   1   1  23 0.57400E 01  25
3 15 5 30.00000.00240.90140.9038 0.99995E 00   0   3   4  64 0.71718E 00  71
3 15 6 10.00000.00800.76000.7680 0.99174E 00   0   5   1  19 0.58594E 00  25
3 15 6 30.01410.00950.78870.7842 0.99597E 00   1  11   3  56 0.58467E-01  71
3 18 1 10.00000.00000.88890.8889 0.99654E 00   0   1   0   8-0.99000E 02   9
3 18 1 30.00000.00000.97060.9706 0.99978E 00   0   1   0  33-0.99000E 02  34
3 18 2 10.00000.00000.88890.8889 0.99654E 00   0   1   0   8-0.99000E 02   9
3 18 2 30.00000.00000.97060.9706 0.99978E 00   0   1   0  33-0.99000E 02  34
3 18 3 10.00000.01230.77780.7901 0.10000E 01   0   1   1   7 0.17227E 01   9
3 18 3 30.00000.00090.94120.9420 0.10000E 01   0   1   1  32 0.79927E 01  34
3 18 4 10.00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
3 18 4 30.00000.00001.00001.0000 0.10000E 01   0   0   0  34-0.99000E 02  34
3 18 5 10.00000.00000.88890.8889 0.99654E 00   0   0   1   8-0.99000E 02   9
3 18 5 30.00000.00000.97060.9706 0.99978E 00   0   0   1  33-0.99000E 02  34
3 18 6 10.00000.00000.88890.8889 0.99654E 00   0   0   1   8-0.99000E 02   9
3 18 6 30.00000.00000.97060.9706 0.99978E 00   0   0   1  33-0.99000E 02  34
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4  3  1 10.07140.06630.07140.0663 0.26531E 00    1    0   12    1 0.29822E 01   14
4  3  1 30.07690.08420.15380.1611 0.55556E 00    3    1   29    6 0.89852E-01   39
4  3  2 10.00000.00510.85710.8622 0.10000E 01    0    1    1   12 0.29822E 01   14
4  3  2 30.00000.00260.87180.8744 0.99831E 00    0    4    1   34 0.17612E 01   39
4  3  3 10.07140.05100.28570.2653 0.71972E 00    1    0    9    4 0.24231E 00   14
4  3  3 30.07690.07100.28210.2761 0.76053E 00    3    1   24   11 0.94792E-01   39
4  3  4 10.07140.06630.07140.0663 0.26531E 00    1   12    0    1 0.29822E 01   14
4  3  4 30.02560.02100.17950.1749 0.52543E 00    1   31    0    7 0.71590E 00   39
4  3  5 10.71430.66330.07140.0204 0.64000E 00   10    3    0    1 0.24231E 00   14
4  3  5 30.58970.56800.07690.0552 0.93075E 00   23    9    4    3 0.97935E-01   39
4  3  6 10.07140.05100.28570.2653 0.71972E 00    1    0    9    4 0.24231E 00   14
4  3  6 30.02560.01780.30770.2998 0.72960E 00    1    0   26   12 0.17818E 00   39
4  6  1 10.05880.03460.41180.3875 0.84688E 00    1    0    9    7 0.34152E-01   17
4  6  1 30.06350.04790.38100.3653 0.84192E 00    4    1   34   24 0.21273E 00   63
4  6  2 10.00000.00000.94120.9412 0.99908E 00    0    1    0   16-0.99000E 02   17
4  6  2 30.00000.00130.90480.9060 0.99889E 00    0    5    1   57 0.24606E 01   63
4  6  3 10.05880.02080.64710.6090 0.96571E 00    1    0    5   11 0.10062E 00   17
4  6  3 30.03170.02270.66670.6576 0.98407E 00    2    3   16   42 0.54310E-02   63
4  6  4 10.00000.00000.41180.4118 0.82639E 00    0   10    0    7-0.99000E 02   17
4  6  4 30.01590.00960.39680.3905 0.81913E 00    1   37    0   25 0.45191E-01   63
4  6  5 10.29410.20760.35290.2664 0.95062E 00    5    5    1    6 0.10018E 01   17
4  6  5 30.19050.17230.30160.2834 0.91837E 00   12   26    6   19 0.13429E 00   63
4  6  6 10.00000.00000.64710.6471 0.95408E 00    0    0    6   11-0.99000E 02   17
4  6  6 30.01590.00450.71430.7029 0.97476E 00    1    0   17   45 0.22863E 00   63
4  9  1 10.03130.04690.43750.4531 0.91654E 00    1    2   15   14 0.00000E 00   32
4  9  1 30.01250.02500.46250.4750 0.90369E 00    1    3   39   37 0.26316E 00   80
4  9  2 10.00000.00000.90630.9063 0.99758E 00    0    3    0   29-0.99000E 02   32
4  9  2 30.00000.00060.93750.9381 0.99963E 00    0    4    1   75 0.43171E 01   80
4  9  3 10.03130.02050.71880.7080 0.99451E 00    1    2    6   23 0.52545E-01   32
4  9  3 30.01250.01380.68750.6888 0.98196E 00    1    3   21   55 0.21119E 00   80
4  9  4 10.00000.00000.50000.5000 0.88889E 00    0   16    0   16-0.99000E 02   32
4  9  4 30.00000.00630.48750.4938 0.89259E 00    0   40    1   39 0.00000E 00   80
4  9  5 10.15630.10940.43750.3906 0.95181E 00    5   11    2   14 0.73143E 00   32
4  9  5 30.17500.13750.40000.3625 0.96626E 00   14   26    8   32 0.15674E 01   80
4  9  6 10.00000.00000.78130.7813 0.98492E 00    0    0    7   25-0.99000E 02   32
4  9  6 30.01250.00340.72500.7159 0.97650E 00    1    0   21   58 0.25713E 00   80
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4 12 1 10,00000.02240.64000.6624 0.98513E 00   0   2   7  16 0.97050E-02  25
4 12 1 30,00000.01560.65330.6690 0.97893E 00   0   4  22  49 0.57760E 00  75
4 12 2 10,00000.00000.92000.9200 0.99826E 00   0   2   0  23-0.99000E 02  25
4 12 2 30,00000.00000.94670.9467 0.99925E 00   0   4   0  71-0.99000E 02  75
4 12 3 10,00000.00960.80000.8096 0.99951E 00   0   2   3  20 0.34791E 00  25
4 12 3 30,00000.00640.82670.8331 0.99867E 00   0   4   9  62 0.10003E-02  75
4 12 4 10,00000.00000.72000.7200 0.97350E 00   0   7   0  18-0.99000E 02  25
4 12 4 30,00000.00000.70670.7067 0.97046E 00   0  22   0  53-0.99000E 02  75
4 12 5 10,04000.03360.64000.6336 0.99000E 00   1   6   2  16 0.21720E 00  25
4 12 5 30,02670.03520.61330.6219 0.98807E 00   2  20   7  46 0.11939E-01  75
4 12 6 10,00000.00000.88000.8800 0.99593E 00   0   0   3  22-0.99000E 02  25
4 12 6 30,00000.00000.88000.8800 0.99593E 00   0   0   9  66-0.99000E 02  75
4 15 1 10,00000.00000.80950.8095 0.98892E 00   0   0   4  17-0.99000E 02  21
4 15 1 30,01410.00400.84510.8350 0.99621E 00   1   1   9  60 0.20263E 00  71
4 15 2 10,00000.00001.00001.0000 0.10000E 01   0   0   0  21-0.99000E 02  21
4 15 2 30,00000.00000.97180.9718 0.99980E 00   0   2   0  69-0.99000E 02  71
4 15 3 10,00000.00000.95240.9524 0.99941E 00   0   0   1  20-0.99000E 02  21
4 15 3 30,00000.00080.94370.9445 0.10000E 01   0   2   2  67 0.36993E 01  71
4 15 4 10,00000.00000.80950.8095 0.98892E 00   0   4   0  17-0.99000E 02  21
4 15 4 30,00000.00000.85920.8592 0.99426E 00   0  10   0  61-0.99000E 02  71
4 15 5 10,00000.00910.76190.7710 0.99343E 00   0   4   1  16 0.65239E 00  21
4 15 5 30,00000.00400.83100.8350 0.99621E 00   0  10   2  59 0.20263E 00  71
4 15 6 10,00000.00000.95240.9524 0.99941E 00   0   0   1  20-0.99000E 02  21
4 15 6 30,00000.00000.97180.9718 0.99980E 00   0   0   2  69-0.99000E 02  71
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4 18 1 30,00000.00000.96970.9697 0.99976E 00   0   1   0  32-0.99000E 02  33
4 18 2 10,00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
4 18 2 30,00000.00090.93940.9403 0.10000E 01   0   1   1  31 0.77424E 01  33
4 18 3 10,00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
4 18 3 30,00000.00000.96970.9697 0.99976E 00   0   1   0  32-0.99000E 02  33
4 18 4 10,00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
4 18 4 30,00000.00000.96970.9697 0.99976E 00   0   0   1  32-0.99000E 02  33
4 18 5 10,00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
4 18 5 30,00000.00001.00001.0000 0.10000E 01   0   0   0  33-0.99000E 02  33
4 18 6 10,00000.00001.00001.0000 0.10000E 01   0   0   0   9-0.99000E 02   9
4 18 6 30,00000.00000.96970.9697 0.99976E 00   0   1   0  32-0.99000E 02  33
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5  3  1  30.15630.10550.40630.3555  0.91000E 00    5    1   13   13  0.10549E 01   32
5  3  2  10.00000.02470.66670.6914  0.99556E 00    0    1    2    6  0.50223E 00    9
5  3  2  30.06250.05270.59380.5840  0.99625E 00    2    4    7   19  0.35674E-01   32
5  3  3  10.00000.06170.33330.3951  0.88889E 00    0    1    5    3  0.14063E-01    9
5  3  3  30.15630.14060.21880.2031  0.71972E 00    5    1   19    7  0.00000E 00   32
5  3  4  10.22220.14810.33330.2593  0.84000E 00    2    4    0    3  0.80357E-01    9
5  3  4  30.18750.15820.34380.3145  0.94083E 00    6   12    5   11  0.12024E 00   32
5  3  5  10.55560.37040.33330.1481  0.97959E 00    5    1    0    3  0.27563E 01    9
5  3  5  30.50000.42190.18750.1094  0.92562E 00   16    2    8    6  0.27090E 01   32
5  3  6  10.22220.12350.44440.3457  0.92562E 00    2    0    3    4  0.39375E 00    9
5  3  6  30.28130.21090.25000.1797  0.76587E 00    9    0   15    8  0.22250E 01   32
5  6  1  10.05260.00550.89470.8476  0.99918E 00    1    1    0   17  0.17463E 01   19
5  6  1  30.02170.00710.84780.8332  0.99943E 00    1    2    4   39  0.11133E 00   46
5  6  2  10.05260.01110.84210.8006  0.10000E 01    1    1    1   16  0.49719E 00   19
5  6  2  30.02170.00570.86960.8535  0.99986E 00    1    2    3   40  0.22683E 00   46
5  6  3  10.05260.02220.73680.7064  0.99609E 00    1    1    3   14  0.20956E-01   19
5  6  3  30.02170.02550.56520.5690  0.95537E 00    1    2   17   26  0.15919E 00   46
5  6  4  10.05260.00550.89470.8476  0.99918E 00    1    0    1   17  0.17463E 01   19
5  6  4  30.02170.00950.82610.8138  0.99985E 00    1    4    3   38  0.12021E-01   46
5  6  5  10.00000.01110.73680.7479  0.99174E 00    0    1    4   14  0.53218E 00   19
5  6  5  30.04350.04250.54350.5425  0.96450E 00    2    3   16   25  0.19634E 00   46
5  6  6  10.05260.02220.73680.7064  0.99609E 00    1    1    3   14  0.20956E-01   19
5  6  6  30.02170.03400.54350.5558  0.96000E 00    1    3   17   25  0.48895E-02   46
5  9  1  10.04170.00350.91670.8785  0.99951E 00    1    0    1   22  0.23715E 01   24
5  9  1  30.04620.00990.84620.8099  0.99993E 00    3    3    4   55  0.65669E 01   65
5  9  2  10.04170.00170.95830.9184  0.10000E 01    1    0    0   23  0.54896E 01   24
5  9  2  30.03080.00430.89230.8658  0.99939E 00    2    4    1   58  0.62392E 01   65
5  9  3  10.04170.00870.79170.7587  0.99093E 00    1    0    4   19  0.53822E 00   24
5  9  3  30.04620.02270.70770.6843  0.99143E 00    3    3   13   46  0.10357E 01   65
5  9  4  10.04170.00350.91670.8785  0.99951E 00    1    1    0   22  0.23715E 01   24
5  9  4  30.03080.00500.87690.8511  0.99889E 00    2    5    1   57  0.50373E 01   65
5  9  5  10.04170.01740.75000.7257  0.99465E 00    1    1    4   18  0.22967E-01   24
5  9  5  30.06150.02650.70770.6727  0.99293E 00    4    3   12   46  0.27242E 01   65
5  9  6  10.04170.00870.79170.7587  0.99093E 00    1    0    4   19  0.53822E 00   24
5  9  6  30.04620.01140.75380.7191  0.98628E 00    3    0   13   49  0.50438E 01   65
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5 12 1 10.00000.00150.92310.9246 0.10000E 01    0   1   1  24 0.59904E 01  26
5 12 1 30.00000.00090.92540.9263 0.99946E 00    0   4   1  62 0.35057E 01  67
5 12 2 10.00000.00000.96150.9615 0.99962E 00    0   1   0  25-0.99000E 02  26
5 12 2 30.00000.00090.92540.9263 0.99946E 00    0   4   1  62 0.35057E 01  67
5 12 3 10.03850.00590.84620.8136 0.99593E 00    1   0   3  22 0.95727E 00  26
5 12 3 30.01490.00620.85070.8421 0.99941E 00    1   3   6  57 0.19149E-01  67
5 12 4 10.00000.00000.96150.9615 0.99962E 00    0   1   0  25-0.99000E 02  26
5 12 4 30.00000.00020.97010.9704 0.10000E 01    0   1   1  65 0.10246E 02  67
5 12 5 10.00000.00590.80770.8136 0.99593E 00    0   1   4  21 0.95727E 00  26
5 12 5 30.00000.00160.88060.8822 0.99773E 00    0   1   7  59 0.16974E 01  67
5 12 6 10.00000.00000.84620.8462 0.99306E 00    0   0   4  22-0.99000E 02  26
5 12 6 30.00000.00160.88060.8822 0.99773E 00    0   1   7  59 0.16974E 01  67
5 15 1 10.00000.00000.92310.9231 0.99840E 00    0   1   0  12-0.99000E 02  13
5 15 1 30.00000.00000.91670.9167 0.99811E 00    0   5   0  55-0.99000E 02  60
5 15 2 10.00000.00000.92310.9231 0.99840E 00    0   1   0  12-0.99000E 02  13
5 15 2 30.00000.00000.91670.9167 0.99811E 00    0   5   0  55-0.99000E 02  60
5 15 3 10.00000.00590.84620.8521 0.10000E 01    0   1   1  11 0.27309E 01  13
5 15 3 30.01670.00690.85000.8403 0.10000E 01    1   4   4  51 0.19835E-01  60
5 15 4 10.00000.00001.00001.0000 0.10000E 01    0   0   0  13-0.99000E 02  13
5 15 4 30.00000.00001.00001.0000 0.10000E 01    0   0   0  60-0.99000E 02  60
5 15 5 10.00000.00000.92310.9231 0.99840E 00    0   0   1  12-0.99000E 02  13
5 15 5 30.00000.00000.91670.9167 0.99811E 00    0   0   5  55-0.99000E 02  60
5 15 6 10.00000.00000.92310.9231 0.99840E 00    0   0   1  12-0.99000E 02  13
5 15 6 30.00000.00000.91670.9167 0.99811E 00    0   0   5  55-0.99000E 02  60
5 18 1 10.00000.00001.00001.0000 0.10000E 01    0   0   0   8-0.99000E 02   8
5 18 1 30.00000.00080.94440.9452 0.10000E 01    0   1   1  34 0.84931E 01  36
5 18 2 10.00000.00001.00001.0000 0.10000E 01    0   0   0   8-0.99000E 02   8
5 18 2 30.00000.00000.97220.9722 0.99980E 00    0   1   0  35-0.99000E 02  36
5 18 3 10.00000.00000.87500.8750 0.99556E 00    0   0   1   7-0.99000E 02   8
5 18 3 30.00000.00080.94440.9452 0.10000E 01    0   1   1  34 0.84931E 01  36
5 18 4 10.00000.00001.00001.0000 0.10000E 01    0   0   0   8-0.99000E 02   8
5 18 4 30.00000.00000.97220.9722 0.99980E 00    0   1   0  35-0.99000E 02  36
5 18 5 10.00000.00000.87500.8750 0.99556E 00    0   0   1   7-0.99000E 02   8
5 18 5 30.00000.00080.94440.9452 0.10000E 01    0   1   1  34 0.84931E 01  36
5 18 6 10.00000.00000.87500.8750 0.99556E 00    0   0   1   7-0.99000E 02   8
5 18 6 30.00000.00000.97220.9722 0.99980E 00    0   0   1  35-0.99000E 02  36
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6  3  1  10.18180.04960.72730.5950 0.99654E 00    2    1    0    8 0.28073E 01   11
6  3  1  30.08820.08300.50000.4948 0.99306E 00    3    9    5   17 0.74920E-01   34
6  3  2  10.18180.17360.27270.2645 0.88889E 00    2    1    5    3 0.33147E 00   11
6  3  2  30.23530.23880.20590.2093 0.88889E 00    8    4   15    7 0.86028E-01   34
6  3  3  10.18180.24790.00000.0661 0.39506E 00    2    1    8    0 0.28646E 00   11
6  3  3  30.26470.28030.11760.1332 0.73246E 00    9    3   18    4 0.68142E-03   34
6  3  4  10.18180.11570.36360.2975 0.85207E 00    2    0    5    4 0.13641E 00   11
6  3  4  30.14710.15920.23530.2474 0.83565E 00    5    3   18    8 0.58148E-02   34
6  3  5  10.18180.16530.09090.0744 0.36000E 00    2    0    8    1 0.74861E 00   11
6  3  5  30.20590.18690.17650.1574 0.66850E 00    7    1   20    6 0.21622E-01   34
6  3  6  10.63640.57850.09090.0331 0.64000E 00    7    0    3    1 0.88393E-01   11
6  3  6  30.58820.53720.11760.0666 0.95062E 00   20    3    7    4 0.12543E 01   34
6  6  1  10.00000.00000.89470.8947 0.99691E 00    0    2    0   17-0.99000E 02   19
6  6  1  30.02080.01220.79170.7830 0.99875E 00    1    3    6   38 0.15204E-01   48
6  6  2  10.00000.03320.57890.6122 0.98222E 00    0    2    6   11 0.44778E-01   19
6  6  2  30.04170.03120.58330.5729 0.96421E 00    2    2   16   28 0.00000E 00   48
6  6  3  10.10530.04430.57890.5180 0.95408E 00    2    0    6   11 0.99223E 00   19
6  6  3  30.06250.03470.56250.5347 0.95062E 00    3    1   17   27 0.77922E 00   48
6  6  4  10.00000.00000.68420.6842 0.96484E 00    0    0    6   13-0.99000E 02   19
6  6  4  30.08330.05470.56250.5339 0.97600E 00    4    3   14   27 0.54634E 00   48
6  6  5  10.00000.00000.57890.5789 0.92889E 00    0    0    8   11-0.99000E 02   19
6  6  5  30.12500.06080.56250.4983 0.96450E 00    6    1   14   27 0.45921E 01   48
6  6  6  10.10530.13300.36840.3961 0.99306E 00    2    4    6    7 0.69202E-03   19
6  6  6  30.12500.15630.33330.3646 0.99881E 00    6   12   14   16 0.30571E 00   48
6  9  1  10.04170.00520.87500.8385 0.99793E 00    1    0    2   21 0.15416E 01   24
6  9  1  30.03080.00240.92310.8947 0.99941E 00    2    0    3   60 0.15166E 02   65
6  9  2  10.04170.00870.79170.7587 0.99093E 00    1    0    4   19 0.53822E 00   24
6  9  2  30.03080.00660.78460.7605 0.98892E 00    2    0   12   51 0.34899E 01   65
6  9  3  10.04170.02080.50000.4792 0.90122E 00    1    0   11   12 0.00000E 00   24
6  9  3  30.03080.00990.67690.6561 0.96847E 00    2    0   19   44 0.17197E 01   65
6  9  4  10.08330.02600.75000.6927 0.99750E 00    2    1    3   18 0.17684E 01   24
6  9  4  30.06150.01660.76920.7243 0.99343E 00    4    1   10   50 0.75276E 01   65
6  9  5  10.08330.06250.45830.4375 0.92562E 00    2    1   10   11 0.00000E 00   24
6  9  5  30.06150.02490.66150.6249 0.97633E 00    4    1   17   43 0.35188E 01   65
6  9  6  10.16670.10420.45830.3958 0.94901E 00    4    1    8   11 0.10105E 01   24
6  9  6  30.13830.06960.60000.5311 0.99457E 00    9    5   12   39 0.65836E 01   65
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 6 12  1 10.00000.00000.88460.8846 0.99625E 00    0    0    3  23-0.99000E 02  26
 6 12  1 30.00000.00000.92540.9254 0.99850E 00    0    0    5  62-0.99000E 02  67
 6 12  2 10.00000.00000.88460.8846 0.99625E 00    0    0    3  23-0.99000E 02  26
 6 12  2 30.00000.00000.92540.9254 0.99850E 00    0    0    5  62-0.99000E 02  67
 6 12  3 10.00000.00000.84620.8462 0.99306E 00    0    0    4  22-0.99000E 02  26
 6 12  3 30.00000.00000.86570.8657 0.99482E 00    0    0    9  58-0.99000E 02  67
 6 12  4 10.00000.01330.76920.7825 0.10000E 01    0    3    3  20 0.87577E-01  26
 6 12  4 30.01490.00560.86570.8563 0.10000E 01    1    4    4  58 0.50372E-01  67
 6 12  5 10.00000.01780.73080.7485 0.99951E 00    0    3    4  19 0.42819E-02  26
 6 12  5 30.01490.01000.80600.8011 0.99889E 00    1    4    8  54 0.54757E-01  67
 6 12  6 10.03850.01780.76920.7485 0.99951E 00    1    2    3  20 0.42819E-02  26
 6 12  6 30.02990.01000.82090.8011 0.99889E 00    2    3    7  55 0.12753E 01  67
 6 15  1 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  1 30.00000.00030.96670.9669 0.10000E 01    0    1    1  58 0.14496E 02  60
 6 15  2 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  2 30.00000.00030.96670.9669 0.10000E 01    0    1    1  58 0.14496E 02  60
 6 15  3 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  3 30.00000.00000.98330.9833 0.99993E 00    0    1    0  59-0.99000E 02  60
 6 15  4 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  4 30.00000.00030.96670.9669 0.10000E 01    0    1    1  58 0.14496E 02  60
 6 15  5 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  5 30.00000.00000.98330.9833 0.99993E 00    0    1    0  59-0.99000E 02  60
 6 15  6 10.00000.00001.00001.0000 0.10000E 01    0    0    0  13-0.99000E 02  13
 6 15  6 30.00000.00000.98330.9833 0.99993E 00    0    1    0  59-0.99000E 02  60
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 6 18  1 30.00000.00000.97220.9722 0.99980E 00    0    0    1  35-0.99000E 02  36
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 6 18  2 30.00000.00001.00001.0000 0.10000E 01    0    0    0  36-0.99000E 02  36
 6 18  3 10.00000.00001.00001.0000 0.10000E 01    0    0    0   8-0.99000E 02   8
 6 18  3 30.00000.00001.00001.0000 0.10000E 01    0    0    0  36-0.99000E 02  36
 6 18  4 10.00000.00001.00001.0000 0.10000E 01    0    0    0   8-0.99000E 02   8
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 6 18  5 10.00000.00001.00001.0000 0.10000E 01    0    0    0   8-0.99000E 02   8
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 6 18  6 30.00000.00001.00001.0000 0.10000E 01    0    0    0  36-0.99000E 02  36
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7  3  1  30.28570.26530.07140.0510 0.33058E 00    8   18    0    2 0.15462E-01   28
7  3  2  10.36360.33060.09090.0579 0.43750E 00    4    6    0    1 0.88393E-01   11
7  3  2  30.39290.36480.07140.0434 0.37673E 00   11   15    0    2 0.18429E 00   28
7  3  3  10.45450.49590.00000.0413 0.55556E 00    5    5    1    0 0.91667E-02   11
7  3  3  30.64290.63010.03570.0230 0.59504E 00   18    8    1    1 0.50382E-01   28
7  3  4  10.09090.06610.54550.5207 0.98438E 00    1    1    3    6 0.13641E 00   11
7  3  4  30.17860.11220.50000.4337 0.99343E 00    5    3    6   14 0.13513E 01   28
7  3  5  10.09090.09920.36360.3719 0.91837E 00    1    1    5    4 0.41250E 00   11
7  3  5  30.21430.19390.25000.2296 0.85612E 00    6    2   13    7 0.40936E-02   28
7  3  6  10.18180.19830.27270.2893 0.97222E 00    2    2    4    3 0.16042E 00   11
7  3  6  30.25000.26660.17860.1952 0.90533E 00    7    4   12    5 0.87563E-03   28
7  6  1  10.17650.13490.23530.1938 0.69136E 00    3   10    0    4 0.95353E-01   17
7  6  1  30.10870.06620.39130.3488 0.84803E 00    5   23    0   18 0.19986E 01   46
7  6  2  10.11760.09000.23530.2076 0.66482E 00    2   11    0    4 0.27244E-02   17
7  6  2  30.17390.13230.34780.3062 0.88889E 00    8   20    2   16 0.10712E 01   46
7  6  3  10.23530.31490.05880.1384 0.81633E 00    4    9    3    1 0.98194E 00   17
7  6  3  30.23910.26470.19570.2212 0.96694E 00   11   17    9    9 0.16867E 00   46
7  6  4  10.00000.02080.70590.7266 0.99881E 00    0    3    2   12 0.84325E-01   17
7  6  4  30.04350.02360.71740.6975 0.99578E 00    2    3    8   33 0.22501E 00   46
7  6  5  10.05880.07270.47060.4844 0.97222E 00    1    2    6    8 0.11709E 00   17
7  6  5  30.02170.04730.47830.5038 0.94988E 00    1    4   19   22 0.41469E 00   46
7  6  6  10.05880.04840.52940.5190 0.96000E 00    1    1    6    9 0.24488E 00   17
7  6  6  30.06520.09450.41300.4423 0.97399E 00    3    7   17   19 0.31375E 00   46
7  9  1  10.00000.00000.33330.3333 0.75000E 00    0   14    0    7-0.99000E 02   21
7  9  1  30.00000.00000.44830.4483 0.85488E 00    0   32    0   26-0.99000E 02   58
7  9  2  10.00000.00000.33330.3333 0.75000E 00    0   14    0    7-0.99000E 02   21
7  9  2  30.01720.00950.44830.4405 0.86050E 00    1   31    0   26 0.11007E-01   58
7  9  3  10.09520.15870.19050.2540 0.84688E 00    2   12    3    4 0.82031E 00   21
7  9  3  30.10340.10460.36210.3633 0.91725E 00    6   26    5   21 0.84274E-01   58
7  9  4  10.00000.00001.00001.0000 0.10000E 01    0    0    0   21-0.99000E 02   21
7  9  4  30.00000.00000.98280.9828 0.99992E 00    0    0    1   57-0.99000E 02   58
7  9  5  10.00000.00000.76190.7619 0.98174E 00    0    0    5   16-0.99000E 02   21
7  9  5  30.00000.00000.81030.8103 0.98902E 00    0    0   11   47-0.99000E 02   58
7  9  6  10.00000.00000.76190.7619 0.98174E 00    0    0    5   16-0.99000E 02   21
7  9  6  30.01720.00330.81030.7964 0.99075E 00    1    0   10   47 0.63769E 00   58
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 7 12 1 30.01180.00960.70590.7037 0.98071E 00   1  22   2  60 0.17016E 00  85
 7 12 2 10.03330.01330.76670.7467 0.99408E 00   1   5   1  23 0.33482E-01  30
 7 12 2 30.01180.00960.70590.7037 0.98071E 00   1  22   2  60 0.17016E 00  85
 7 12 3 10.06670.02000.76670.7200 0.99654E 00   2   4   1  23 0.18750E 01  30
 7 12 3 30.04710.01910.70590.6779 0.98546E 00   4  19   2  60 0.31992E 01  85
 7 12 4 10.00000.00670.83330.8400 0.99967E 00   0   3   2  25 0.53571E 00  30
 7 12 4 30.00000.00120.92940.9307 0.10000E 01   0   3   3  79 0.12763E 01  85
 7 12 5 10.00000.01000.80000.8100 0.10000E 01   0   3   3  24 0.16461E 00  30
 7 12 5 30.00000.00250.89410.8966 0.99965E 00   0   3   6  76 0.43756E 00  85
 7 12 6 10.03330.00670.86670.8400 0.99967E 00   1   1   2  26 0.53571E 00  30
 7 12 6 30.01180.00250.90590.8966 0.99965E 00   1   2   5  77 0.43756E 00  85
 7 15 1 10.00000.00000.85190.8519 0.99360E 00   0   4   0  23-0.99000E 02  27
 7 15 1 30.00000.00280.86840.8712 0.99821E 00   0   8   2  66 0.45688E 00  76
 7 15 2 10.00000.00000.85190.8519 0.99360E 00   0   4   0  23-0.99000E 02  27
 7 15 2 30.00000.00000.89470.8947 0.99691E 00   0   8   0  68-0.99000E 02  76
 7 15 3 10.00000.00000.85190.8519 0.99360E 00   0   4   0  23-0.99000E 02  27
 7 15 3 30.01320.00420.86840.8594 0.99874E 00   1   7   2  66 0.12503E 00  76
 7 15 4 10.00000.00001.00001.0000 0.10000E 01   0   0   0  27-0.99000E 02  27
 7 15 4 30.00000.00000.97370.9737 0.99982E 00   0   2   0  74-0.99000E 02  76
 7 15 5 10.00000.00001.00001.0000 0.10000E 01   0   0   0  27-0.99000E 02  27
 7 15 5 30.00000.00100.93420.9352 0.99995E 00   0   2   3  71 0.24011E 01  76
 7 15 6 10.00000.00001.00001.0000 0.10000E 01   0   0   0  27-0.99000E 02  27
 7 15 6 30.00000.00000.96050.9605 0.99959E 00   0   0   3  73-0.99000E 02  76
 7 18 1 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 1 30.00000.00100.93550.9365 0.10000E 01   0   1   1  29 0.72419E 01  31
 7 18 2 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 2 30.00000.00000.96770.9677 0.99973E 00   0   1   0  30-0.99000E 02  31
 7 18 3 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 3 30.00000.00000.96770.9677 0.99973E 00   0   1   0  30-0.99000E 02  31
 7 18 4 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 4 30.00000.00000.96770.9677 0.99973E 00   0   1   0  30-0.99000E 02  31
 7 18 5 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 5 30.00000.00000.96770.9677 0.99973E 00   0   1   0  30-0.99000E 02  31
 7 18 6 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 7 18 6 30.00000.00001.00001.0000 0.10000E 01   0   0   0  31-0.99000E 02  31
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8  3 1 10.09090.04960.45450.4132 0.88889E 00   1   0   5   5 0.91667E-02  11
8  3 1 30.11110.07410.33330.2963 0.79339E 00   3   0  15   9 0.42188E 00  27
8  3 2 10.09090.04960.45450.4132 0.88889E 00   1   0   5   5 0.91667E-02  11
8  3 2 30.07410.06580.37040.3621 0.86204E 00   2   1  14  10 0.11985E 00  27
8  3 3 10.00000.03310.54550.5785 0.96886E 00   0   1   4   6 0.88393E-01  11
8  3 3 30.03700.02880.66670.6584 0.99174E 00   1   2   6  18 0.15067E 00  27
8  3 4 10.45450.29750.36360.2066 0.10000E 01   5   1   1   4 0.22275E 01  11
8  3 4 30.48150.39510.22220.1358 0.99000E 00  13   5   3   6 0.23203E 01  27
8  3 5 10.18180.19830.27270.2893 0.97222E 00   2   4   2   3 0.16042E 00  11
8  3 5 30.18520.17280.25930.2469 0.85612E 00   5  13   2   7 0.24107E-01  27
8  3 6 10.18180.19830.27270.2893 0.97222E 00   2   4   2   3 0.16042E 00  11
8  3 6 30.18520.15360.33330.3018 0.91571E 00   5  11   2   9 0.98894E-01  27
8  6 1 10.00000.00000.52940.5294 0.90533E 00   0   0   8   9-0.99000E 02  17
8  6 1 30.00000.00000.56520.5652 0.92284E 00   0   0  20  26-0.99000E 02  46
8  6 2 10.00000.00000.88240.8824 0.99609E 00   0   0   2  15-0.99000E 02  17
8  6 2 30.00000.00000.89130.8913 0.99670E 00   0   0   5  41-0.99000E 02  46
8  6 3 10.00000.00001.00001.0000 0.10000E 01   0   0   0  17-0.99000E 02  17
8  6 3 30.00000.00000.97830.9783 0.99988E 00   0   0   1  45-0.99000E 02  46
8  6 4 10.05880.05540.47060.4671 0.93750E 00   1   7   1   8 0.44271E 00  17
8  6 4 30.08700.04730.54350.5038 0.94988E 00   4  16   1  25 0.16057E 01  46
8  6 5 10.00000.00000.52940.5294 0.90533E 00   0   8   0   9-0.99000E 02  17
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8  6 6 30.00000.00240.86960.8719 0.99784E 00   0   5   1  40 0.16156E 01  46
8  9 1 10.00000.00000.76190.7619 0.98174E 00   0   0   5  16-0.99000E 02  21
8  9 1 30.00000.00000.67240.6724 0.96163E 00   0   0  19  39-0.99000E 02  58
8  9 2 10.00000.00001.00001.0000 0.10000E 01   0   0   0  21-0.99000E 02  21
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8  9 3 10.00000.00001.00001.0000 0.10000E 01   0   0   0  21-0.99000E 02  21
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8  9 4 10.00000.00000.76190.7619 0.98174E 00   0   5   0  16-0.99000E 02  21
8  9 4 30.03450.02260.63790.6260 0.97399E 00   2  17   2  37 0.43847E-01  58
8  9 5 10.00000.00000.76190.7619 0.98174E 00   0   5   0  16-0.99000E 02  21
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8  9 6 10.00000.00001.00001.0000 0.10000E 01   0   0   0  21-0.99000E 02  21
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 8 12  1 10.00000.00000.86670.8667 0.99490E 00   0   0   4 26-0.99000E 02  30
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 8 12  2 30.00000.00030.96470.9650 0.99996E 00   0   1   2 82 0.99987E 01  85
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 8 12  4 10.00000.00440.83330.8378 0.99702E 00   0   4   1 25 0.12036E 01  30
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 8 15  2 10.00000.00000.96300.9630 0.99964E 00   0   0   1 26-0.99000E 02  27
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 8 15  4 10.00000.00270.88890.8916 0.99962E 00   0   2   1 24 0.27467E 01  27
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 8 15  5 10.00000.00270.88890.8916 0.99962E 00   0   2   1 24 0.27467E 01  27
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 8 18  2 30.00000.00000.96880.9688 0.99975E 00   0   0   1 31-0.99000E 02  32
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 8 18  6 10.00000.00001.00001.0000 0.10000E 01   0   0   0 12-0.99000E 02  12
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9  3 2 10.00000.00690.83330.8403 0.10000E 01   0   1   1 10 0.24793E 01  12
9  3 2 30.00000.02220.70000.7222 0.99962E 00   0   4   5 21 0.51692E-01  30
9  3 3 10.08330.00690.91670.8403 0.10000E 01   1   0   0 11 0.24793E 01  12
9  3 3 30.03330.00440.86670.8378 0.99702E 00   1   3   0 26 0.12036E 01  30
9  3 4 10.00000.00000.91670.9167 0.99811E 00   0   0   1 11-0.99000E 02  12
9  3 4 30.00000.01110.76670.7778 0.99680E 00   0   2   5 23 0.10714E 00  30
9  3 5 10.00000.00000.91670.9167 0.99811E 00   0   0   1 11-0.99000E 02  12
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9  3 6 10.00000.00690.83330.8403 0.10000E 01   0   1   1 10 0.24793E 01  12
9  3 6 30.00000.00560.80000.8056 0.99451E 00   0   5   1 24 0.82759E 00  30
9  6 1 10.05560.04630.61110.6019 0.99490E 00   1   2   4 11 0.22154E 00  18
9  6 1 30.01820.02380.70910.7147 0.99988E 00   1   8   7 39 0.38954E-01  55
9  6 2 10.05560.04630.61110.6019 0.99490E 00   1   2   4 11 0.22154E 00  18
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9  6 3 30.01820.00890.80000.7907 0.99625E 00   1   8   2 44 0.21290E-03  55
9  6 4 10.05560.07720.50000.5216 0.10000E 01   1   4   4  9 0.17041E-01  18
9  6 4 30.03640.02380.72730.7147 0.99988E 00   2   6   7 40 0.38954E-01  55
9  6 5 10.05560.01540.72220.6821 0.98222E 00   1   4   0 13 0.26063E 00  18
9  6 5 30.01820.00790.81820.8079 0.99745E 00   1   7   2 45 0.11486E-01  55
9  6 6 10.00000.01540.66670.6821 0.98222E 00   0   5   1 12 0.26063E 00  18
9  6 6 30.00000.00890.78180.7907 0.99625E 00   0   9   3 43 0.21290E-03  55
9  9 1 10.00000.00001.00001.0000 0.10000E 01   0   0   0 21-0.99000E 02  21
9  9 1 30.01470.00090.95590.9420 0.10000E 01   1   1   1 65 0.35124E 01  68
9  9 2 10.00000.00000.95240.9524 0.99941E 00   0   0   1 20-0.99000E 02  21
9  9 2 30.01470.00170.92650.9135 0.99976E 00   1   1   3 63 0.15603E 01  68
9  9 3 10.00000.00001.00001.0000 0.10000E 01   0   0   0 21-0.99000E 02  21
9  9 3 30.00000.00000.97060.9706 0.99978E 00   0   2   0 66-0.99000E 02  68
9  9 4 10.00000.00000.95240.9524 0.99941E 00   0   0   1 20-0.99000E 02  21
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9  9 5 10.00000.00001.00001.0000 0.10000E 01   0   0   0 21-0.99000E 02  21
9  9 5 30.00000.00000.97060.9706 0.99978E 00   0   2   0 66-0.99000E 02  68
9  9 6 10.00000.00000.95240.9524 0.99941E 00   0   1   0 20-0.99000E 02  21
9  9 6 30.00000.00000.94120.9412 0.99908E 00   0   4   0 64-0.99000E 02  68
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 9 12 2 10.00000.00100.93750.9385 0.10000E 01   0   1   1  30 0.14922E 01  32
 9 12 2 30.00000.00160.90700.9086 0.99941E 00   0   2   6  78 0.10249E 01  86
 9 12 3 10.00000.00200.90630.9082 0.99973E 00   0   1   2  29 0.33720E 01  32
 9 12 3 30.00000.00080.94190.9427 0.99996E 00   0   2   3  81 0.28144E 01  86
 9 12 4 10.00000.00290.87500.8779 0.99889E 00   0   3   1  28 0.20052E 01  32
 9 12 4 30.00000.00240.89530.8978 0.99966E 00   0   3   6  77 0.44972E 00  86
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 9 12 6 10.00000.00200.90630.9082 0.99973E 00   0   1   2  29 0.33720E 01  32
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 9 15 1 30.00000.00000.98410.9841 0.99994E 00   0   1   0  62-0.99000E 02  63
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 9 15 2 30.00000.00000.98410.9841 0.99994E 00   0   1   0  62-0.99000E 02  63
 9 15 3 10.00000.00000.91300.9130 0.99793E 00   0   0   2  21-0.99000E 02  23
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 9 18 2 30.00000.00001.00001.0000 0.10000E 01   0   0   0  30-0.99000E 02  30
 9 18 3 10.00000.00001.00001.0000 0.10000E 01   0   0   0  11-0.99000E 02  11
 9 18 3 30.00000.00001.00001.0000 0.10000E 01   0   0   0  30-0.99000E 02  30
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 9 18 4 30.00000.00001.00001.0000 0.10000E 01   0   0   0  30-0.99000E 02  30
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10  3 4 10.00000.00000.75000.7500 0.97959E 00    0  0  3   9-0.99000E 02  12
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10  3 5 10.00000.00000.00000.0000 0.00000E 00    0  0 12   0-0.99000E 02  12
10  3 5 30.00000.00000.13330.1333 0.41522E 00    0  0 26   4-0.99000E 02  30
10  3 6 10.25000.25000.00000.0000 0.00000E 00    3  0  9   0-0.99000E 02  12
10  3 6 30.23330.23110.10000.0978 0.52071E 00    7  1 19   3 0.27699E 00  30
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10  6 1 30.05560.01230.81480.7716 0.99723E 00    3  6  1  44 0.65340E 01  54
10  6 2 10.05880.04150.64710.6298 0.99863E 00    1  2  3  11 0.95353E-01  17
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10  6 3 10.11760.12460.23530.2422 0.77562E 00    2  1 10   4 0.28502E 00  17
10  6 3 30.12960.12350.22220.2160 0.72393E 00    7  2 33  12 0.19286E-01  54
10  6 4 10.11760.02770.76470.6747 0.99490E 00    2  0  2  13 0.33373E 01  17
10  6 4 30.03700.00820.85190.8230 0.99958E 00    2  2  4  46 0.30459E 01  54
10  6 5 10.05880.08300.23530.2595 0.75000E 00    1  1 11   4 0.21250E-01  17
10  6 5 30.05560.05490.24070.2401 0.68359E 00    3  1 37  13 0.30134E 00  54
10  6 6 10.17650.16610.23530.2249 0.80247E 00    3  1  9   4 0.16482E 00  17
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10  9 1 10.00000.00450.85710.8617 0.99934E 00    0  1  2  18 0.19964E 01  21
10  9 1 30.01450.00340.89860.8874 0.10000E 01    1  3  3  62 0.34934E 00  69
10  9 2 10.00000.00450.85710.8617 0.99934E 00    0  1  2  18 0.19964E 01  21
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10  9 3 10.04760.02950.38100.3628 0.81633E 00    1  0 12   8 0.63101E-01  21
10  9 3 30.04350.03440.39130.3823 0.84172E 00    3  1 38  27 0.16702E-01  69
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10  9 4 30.00000.00250.89860.9011 0.99994E 00    0  4  3  62 0.67854E 00  69
10  9 5 10.09520.05900.38100.3447 0.83402E 00    2  0 11   8 0.16074E 00  21
10  9 5 30.02900.03440.37680.3823 0.84172E 00    2  2 39  26 0.16702E-01  69
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10 12 1 10.00000.00210.90320.9053 0.99971E 00   0   1   2  28 0.32470E 01  31
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10 12 2 10.00000.00310.87100.8741 0.99881E 00   0   1   3  27 0.19221E 01  31
10 12 2 30.00000.00110.92940.9305 0.99985E 00   0   2   4  79 0.18811E 01  85
10 12 3 10.03230.01660.48390.4683 0.88889E 00   1   0  15  15 0.10764E-02  31
10 12 3 30.02350.01110.52940.5170 0.91187E 00   2   0  38  45 0.64184E 00  85
10 12 4 10.00000.00620.83870.8450 0.99969E 00   0   2   3  26 0.57425E 00  31
10 12 4 30.00000.00440.85880.8633 0.99936E 00   0   8   4  73 0.46954E-01  85
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10 12 5 30.05880.04430.49410.4796 0.93120E 00   5   3  35  42 0.29945E 00  85
10 12 6 10.03230.04990.41940.4370 0.90860E 00   1   2  15  13 0.34598E-02  31
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11  3 4 10.45450.49590.00000.0413 0.55556E 00    5   5   1    0 0.91667E-02  11
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11  6 2 30.35620.31380.23290.1905 0.99121E 00   26  12  18   17 0.15447E 01  73
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11  6 6 10.36360.37190.13640.1446 0.96886E 00    8   4   7    3 0.85556E-01  22
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11  9 6 10.29730.22210.35140.2761 0.99408E 00   11   5   8   13 0.22991E 01  37
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11 12 3 30.08330.06240.58330.5624 0.99975E 00   7  13  15  49 0.54059E 00  84
11 12 4 10.15630.10550.40630.3555 0.91000E 00   5  13   1  13 0.10549E 01  32
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11 12 5 30.15480.11850.44050.4042 0.97805E 00  13  25   9  37 0.16134E 01  84
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12  3 2 10.77270.78510.00000.0124 0.96000E 00  17   3   2   0 0.24123E 00  22
12  3 2 30.64790.63080.05630.0393 0.94174E 00  46  14   7   4 0.28757E 00  71
12  3 3 10.68180.70250.00000.0207 0.81633E 00  15   5   2   0 0.64706E-02  22
12  3 3 30.66200.67840.01410.0305 0.98560E 00  47  13  10   1 0.30416E 00  71
12  3 4 10.68180.70660.00000.0248 0.97959E 00  15   3   4   0 0.53606E-02  22
12  3 4 30.57750.58880.04230.0536 0.99174E 00  41  15  12   3 0.40955E-01  71
12  3 5 10.59090.63220.00000.0413 0.98765E 00  13   5   4   0 0.29118E 00  22
12  3 5 30.61970.63320.02820.0417 0.99881E 00  44  12  13   2 0.11188E 00  71
12  3 6 10.68180.66740.04550.0310 0.93750E 00  15   4   2   1 0.72652E-01  22
12  3 6 30.59150.59930.04230.0500 0.98438E 00  42  11  15   3 0.11425E-02  71
12  6 1 10.66670.66440.03330.0311 0.92562E 00  20   6   3   1 0.30280E 00  30
12  6 1 30.56700.54830.08250.0638 0.96000E 00  55  22  12   8 0.50942E 00  97
12  6 2 10.56670.57780.03330.0444 0.81633E 00  17   9   3   1 0.36058E-01  30
12  6 2 30.39180.38460.11340.1063 0.81633E 00  38  39   9  11 0.91733E-02  97
12  6 3 10.63330.63560.03330.0356 0.88889E 00  19   7   3   1 0.27699E 00  30
12  6 3 30.58760.54830.10310.0638 0.96000E 00  57  20  10  10 0.32390E 01  97
12  6 4 10.53330.51110.10000.0778 0.96886E 00  16   7   4   3 0.23292E-01  30
12  6 4 30.39180.33470.21650.1594 0.93750E 00  38  29   9  21 0.49005E 01  97
12  6 5 10.56670.56220.06670.0622 0.99556E 00  17   6   5   2 0.12811E 00  30
12  6 5 30.49480.47710.11340.0957 0.10000E 01  48  19  19  11 0.33714E 00  97
12  6 6 10.56670.48890.16670.0889 0.98765E 00  17   3   5   5 0.22781E 01  30
12  6 6 30.37110.33470.19590.1594 0.93750E 00  36  11  31  19 0.17811E 01  97
12  9 1 10.40820.37320.18370.1487 0.98892E 00  20  12   8   9 0.54232E 00  49
12  9 1 30.36840.35140.17760.1606 0.98090E 00  56  43  26  27 0.51036E 00 152
12  9 2 10.30610.25320.26530.2124 0.92349E 00  15  17   4  13 0.16602E 01  49
12  9 2 30.24340.23140.23680.2248 0.91119E 00  37  62  17  36 0.22337E 00 152
12  9 3 10.40820.31990.26530.1770 0.96372E 00  20  12   4  13 0.52777E 01  49
12  9 3 30.30260.28710.21050.1950 0.94623E 00  46  53  21  32 0.40739E 00 152
12  9 4 10.22450.22160.26530.2624 0.96886E 00  11  17   8  13 0.44773E-01  49
12  9 4 30.21710.19170.32240.2969 0.97222E 00  33  49  21  49 0.15118E 01 152
12  9 5 10.32650.27990.26530.2187 0.99244E 00  16  12   8  13 0.10634E 01  49
12  9 5 30.27630.23780.29610.2575 0.99063E 00  42  40  25  45 0.50810E 01 152
12  9 6 10.24490.18990.36730.3124 0.99174E 00  12   7  12  18 0.16557E 01  49
12  9 6 30.20390.15660.40790.3605 0.99495E 00  31  23  36  62 0.52267E 01 152
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12 12 1 10.27270.23140.27270.2314 0.92562E 00  12  16   4  12 0.73748E 00  44
12 12 1 30.25000.22080.30830.2702 0.99696E 00  30  30  23  37 0.12166E 01 120
12 12 2 10.29550.23140.29550.2314 0.92562E 00  13  15   3  13 0.22809E 01  44
12 12 2 30.20000.15000.40000.3500 0.97222E 00  24  36  12  48 0.48016E 01 120
12 12 3 10.15910.14460.29550.2810 0.87040E 00   7  21   3  13 0.10399E-01  44
12 12 3 30.15830.13330.39170.3667 0.96421E 00  19  41  13  47 0.10653E 01 120
12 12 4 10.13640.13220.40910.4050 0.10000E 01   6  10  10  18 0.42969E-01  44
12 12 4 30.14170.13250.40000.3908 0.98733E 00  17  36  19  48 0.57931E-01 120
12 12 5 10.15910.08260.56820.4917 0.99063E 00   7   9   3  25 0.45860E 01  44
12 12 5 30.15000.11780.44170.4094 0.98164E 00  18  35  14  53 0.19587E 01 120
12 12 6 10.06820.08260.47730.4917 0.99063E 00   3  13   7  21 0.10399E-01  44
12 12 6 30.11670.08000.55000.5133 0.99946E 00  14  22  18  66 0.50864E 01 120
12 15 1 10.08510.09420.46810.4771 0.99787E 00   4   9  12  22 0.20262E-02  47
12 15 1 30.10000.06760.58000.5476 0.10000E 01  15  24  24  87 0.34235E 01 150
12 15 2 10.08510.05890.59570.5695 0.99821E 00   4   9   6  28 0.34207E 00  47
12 15 2 30.06670.04680.62670.6068 0.99737E 00  10  29  17  94 0.14438E 01 150
12 15 3 10.06380.03530.65960.6311 0.99129E 00   3  10   3  31 0.67443E 00  47
12 15 3 30.04000.02080.70000.6808 0.98824E 00   6  33   6 105 0.26667E 01 150
12 15 4 10.10640.07240.55320.5192 0.99221E 00   5  11   5  26 0.67925E 00  47
12 15 4 30.08000.04680.64000.6068 0.99737E 00  12  27  15  96 0.47117E 01 150
12 15 5 10.08510.04350.61700.5754 0.98071E 00   4  12   2  29 0.18074E 01  47
12 15 5 30.04000.02080.70000.6808 0.98824E 00   6  33   6 105 0.26667E 01 150
12 15 6 10.04260.02720.70210.6867 0.99737E 00   2   8   4  33 0.56930E-01  47
12 15 6 30.01330.01440.75330.7544 0.99670E 00   2  25  10 115 0.70942E-01 150
12 18 1 10.00000.00410.86360.8678 0.99941E 00   0   2   1  19 0.21214E 01  22
12 18 1 30.00000.00830.81030.8187 0.99918E 00   0   7   4  47 0.75215E-03  58
12 18 2 10.00000.01650.72730.7438 0.99723E 00   0   2   4  16 0.68750E-01  22
12 18 2 30.01720.01250.79310.7883 0.99991E 00   1   6   5  46 0.88002E-01  58
12 18 3 10.00000.00000.90910.9091 0.99773E 00   0   2   0  20-0.99000E 02  22
12 18 3 30.00000.00000.87930.8793 0.99588E 00   0   7   0  51-0.99000E 02  58
12 18 4 10.00000.00830.77270.7810 0.99408E 00   0   1   4  17 0.71296E 00  22
12 18 4 30.00000.00710.82760.8347 0.99964E 00   0   4   6  48 0.21516E-01  58
12 18 5 10.00000.00000.95450.9545 0.99946E 00   0   1   0  21-0.99000E 02  22
12 18 5 30.00000.00000.93100.9310 0.99872E 00   0   4   0  54-0.99000E 02  58
12 18 6 10.00000.00000.81820.8182 0.99000E 00   0   4   0  18-0.99000E 02  22
12 18 6 30.00000.00000.89660.8966 0.99702E 00   0   6   0  52-0.99000E 02  58
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ANNEX XV

Simulated tailored tests. Test records from three narrow response bank simulations.

Explanation

See next page.

ANNEX XV - EXPLANATION

A full annotation accompanies Figure 29, p. 210, which is a sample test record.

The column headings have the following meanings:-

MAN NO.	(Simulated) Recruit serial number.
ITEM NO.	Item serial number.
R-W BALANCE	Number of right answers minus the number of wrong answers.
O/ALL	Overall - that is from all questions.
LEVEL	From questions at that difficulty level.
MOVE DIRN	Direction of move if a change of difficulty level is made; -1 is easier, +1 harder.
TAIL BAND	
LOCATION	Tail Location item index.....
SOUGHT	.....being looked for
FOUND	.....nearest approximation found.
DIFF.	The difference between SOUGHT & FOUND.
RESP.	Response score, 0 for wrong, 1 for right.
90 PERCENT LIMITS	This confidence interval for the current derived distribution.
LOWER	The lower limit of this interval.
UPPER	The upper limit of this interval.
DIFF.	The width of the interval. Test termination takes place when DIFF. $\leqslant 3{\cdot}8$.

TT= 62
STEP SIZE= 2
ABILITY BAND= 15 INITIAL ESTIMATE= 10
INITIAL 75% LIMITS 6 TO 14

MAN NO.	ITEM NO.	R-W BALANCE O/ALL	LEVEL	MOVE DIRN	TAIL BAND LOCATION SOUGHT R	W	DIFF.	FOUND R	W	RESP	90 PERCENT LIMITS LOWER	UPPER	DIFF.
1													
	1	1	1	0	6		0	6		1	3.85	17.44	13.58
	2	2	1	1	8		0	8		1	6.05	18.02	11.97
	3	1	-1	1	10		-1	9		0	4.47	15.61	11.14
	4	0	-2	0	9		0	9		0	3.65	13.81	10.15
	5	1	1	-1		12	0		12	1	4.57	14.41	9.84
	6	2	-1	1	11		-2	9		1	6.58	15.26	8.68
	7	1	-2	0	9		0	9		0	5.75	14.05	8.30
	8	2	-1	0	9		0	9		1	7.04	14.54	7.50
	9	3	0	0	9		0	9		1	7.98	15.12	7.15
	10	4	1	1	11		-2	9		1	8.80	15.44	6.63
	11	5	2	1	11		-2	9		1	9.59	15.77	6.18
	12	6	3	1	11		-2	9		1	10.23	16.01	5.78
	13	7	4	1	11		-2	9		1	10.75	16.18	5.43
	14	6	3	1	11		-2	9		0	10.03	15.44	5.41
	15	7	4	1	11		-2	9		1	10.58	15.67	5.09
	16	8	5	1	11		-2	9		1	10.91	15.89	4.98
					TAIL CHANGE FROM 2								
	17	9	6	1	11		-2	9		1	11.35	16.05	4.70
	18	8	-1	1		17	-1		16	0	11.30	15.97	4.67
	19	7	-2	0		16	0		16	0	11.25	15.88	4.63
	20	8	-1	0		16	0		16	1	11.78	16.36	4.58
	21	7	-2	0		16	0		16	0	11.74	16.32	4.58
	22	6	-3	0		16	0		16	0	11.71	16.27	4.56
	23	5	-4	0		16	0		16	0	11.68	16.23	4.55
	24	4	-5	0		16	0		16	0	11.65	16.18	4.53
	25	3	-6	0		16	0		16	0	11.62	16.12	4.50
	26	2	-7	0		16	0		16	0	11.60	16.06	4.46

27	3	-6	0	16	0	16	1	12.15	16.39	4.23
28	2	-7	0	16	0	16	0	12.09	16.35	4.26
29	1	-8	0	16	0	16	0	12.03	16.32	4.29
30	0	-9	0	16	0	16	0	11.98	16.29	4.30
31	-1	-1	-1	14	0	14	0	11.60	16.04	4.44
32	0	2	-1	12	0	12	1	11.72	16.08	4.36
33	1	3	0	12	0	12	1	11.86	16.11	4.26
34	2	0	1	14	0	14	1	12.43	16.23	3.80
35	1	-10	1	16	0	16	0	12.37	16.19	3.83
36	0	-11	0	16	0	16	0	12.31	16.15	3.84
37	1	1	-1	14	0	14	1	12.68	16.25	3.57

REQUIRED PRECISION ACHIEVED

2

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	0	8	1	6.05	18.02	11.97
3	1	-1	1	10	-1	9	0	4.47	15.61	11.14
4	2	0	0	9	0	9	1	6.75	16.28	9.52
5	3	1	1	11	-2	9	1	8.25	16.59	8.35
6	4	2	1	11	-2	9	1	9.44	16.86	7.42
7	5	3	1	11	-2	9	1	10.55	17.01	6.48
8	6	4	1	11	-2	9	1	11.27	17.11	5.84
9	7	5	1	11	-2	9	1	11.85	17.18	5.35
10	8	6	1	11	-2	9	1	12.32	17.22	4.90

TAIL CHANGE FROM 2

11	9	7	1	11	-2	9	1	12.68	17.26	4.58
12	8	-1	1	17	-1	16	0	12.60	17.22	4.61
13	7	-2	0	16	0	16	0	12.54	17.17	4.63
14	6	-3	0	16	0	16	0	12.46	17.11	4.65
15	5	-4	0	16	0	16	0	12.34	17.04	4.70
16	4	-5	0	16	0	16	0	12.24	16.95	4.71
17	3	-6	0	16	0	16	0	12.15	16.85	4.69
18	2	-7	0	16	0	16	0	12.08	16.71	4.64
19	1	-8	0	16	0	16	0	12.01	16.55	4.54
20	0	-9	0	16	0	16	0	11.95	16.46	4.51
21	1	1	-1	14	0	14	1	12.59	16.66	4.08

22	0	-10	1	16	0	16	0	12.55	16.50	3.94
23	1	2	-1	14	0	14	1	12.89	16.74	3.86
24	0	-11	1	16	0	16	0	12.85	16.59	3.76

REQUIRED PRECISION ACHIEVED

3

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	0	8	1	6.05	18.02	11.97
3	3	1	1	10	-1	9	1	8.65	18.31	9.69
4	4	2	1	11	-2	9	1	10.44	18.45	8.01
5	5	2	1	11	-3	8	1	11.57	18.54	6.98
6	6	3	1	10	-2	8	1	12.45	18.67	6.23
7	7	4	1	10	-2	8	1	13.00	18.75	5.75
8	8	5	1	10	-2	8	1	13.56	18.82	5.27

TAIL CHANGE FROM 2

9	9	6	1	10	-2	8	1	13.85	18.87	5.02
10	8	-1	1	17	-1	16	0	13.67	18.67	5.00
11	9	0	0	16	0	16	1	14.15	18.90	4.75
12	8	-1	1	18	-2	16	0	14.07	18.86	4.79
13	7	-2	0	16	0	16	0	14.00	18.83	4.83
14	6	-3	0	16	0	16	0	13.93	18.78	4.85
15	5	-4	0	16	0	16	0	13.86	18.74	4.87
16	4	-5	0	16	0	16	0	13.80	18.69	4.88
17	3	-6	0	16	0	16	0	13.75	18.63	4.88
18	2	-7	0	16	0	16	0	13.70	18.57	4.88
19	1	-8	0	16	0	16	0	13.65	18.51	4.86
20	0	-9	0	16	0	16	0	13.60	18.48	4.88
21	1	1	-1	14	0	14	1	14.02	18.59	4.57
22	0	-10	1	16	0	16	0	13.96	18.53	4.57
23	1	2	-1	14	0	14	1	14.40	18.65	4.25
24	2	-9	1	16	0	16	1	14.65	18.87	4.24
25	3	-8	0	16	0	16	1	14.86	19.01	4.15
26	2	-9	0	16	0	16	0	14.82	18.99	4.17
27	3	-8	0	16	0	16	1	15.18	19.09	3.91
28	2	-9	0	16	0	16	0	15.11	19.07	3.96
29	1	-10	0	16	0	16	0	15.05	19.05	4.00

30	0	-11	0	16	0	16	0	14.99	19.03	4.04
31	-1	1	-1	14	0	14	0	14.55	18.76	4.21
32	0	2	0	14	0	14	1	14.70	18.84	4.13
33	-1	1	0	14	0	14	0	14.13	18.46	4.33
34	0	2	0	14	0	14	1	14.52	18.50	3.99
35	1	3	0	14	0	14	1	14.65	18.61	3.98
36	0	-12	1	16	0	16	0	14.61	18.56	3.95
37	1	4	-1	14	0	14	1	14.72	18.66	3.94
38	0	-13	1	16	0	16	0	14.69	18.61	3.92
39	-1	3	-1	14	0	14	0	14.23	17.64	3.41

REQUIRED PRECISION ACHIEVED

4

1	-1	-1	0	6	0	6	0	0.87	14.10	13.23
2	0	1	-1	12	0	12	1	1.22	16.64	15.42
3	1	2	0	12	0	12	1	1.94	17.47	15.54
4	2	1	1	8	0	8	1	4.03	18.25	14.23
5	1	0	1	10	-2	8	0	2.54	15.23	12.69
6	2	1	1	10	-2	8	1	4.18	16.24	12.06
7	3	2	1	10	-2	8	1	5.70	16.75	11.04
8	4	3	1	10	-2	8	1	7.30	16.99	9.69
9	5	4	1	10	-2	8	1	8.77	17.11	8.35
10	6	5	1	10	-2	8	1	10.60	17.18	6.58
11	5	4	1	10	-2	8	0	7.92	16.35	8.42
12	6	5	1	10	-2	8	1	9.10	16.57	7.48
13	7	6	1	10	-2	8	1	10.55	16.78	6.23
14	8	7	1	10	-2	8	1	11.67	16.91	5.24

TAIL CHANGE FROM 2

15	9	8	1	10	-2	8	1	12.35	17.01	4.66
16	8	-1	1	17	-1	16	0	12.28	16.97	4.70
17	7	-2	0	16	0	16	0	12.20	16.93	4.73
18	6	-3	0	16	0	16	0	12.14	16.89	4.75
19	5	-4	0	16	0	16	0	12.00	16.77	4.78
20	4	-5	0	16	0	16	0	11.87	16.63	4.76
21	3	-6	0	16	0	16	0	11.77	16.48	4.71
22	2	-7	0	16	0	16	0	11.67	16.38	4.71

23	1	-8	0	16	0	16	0	11.58	16.27	4.68
24	0	-9	0	16	0	16	0	11.51	16.14	4.64
25	1	1	-1	14	0	14	1	11.80	16.33	4.53
26	0	-10	1	16	0	16	0	11.71	16.21	4.50
27	1	2	-1	14	0	14	1	12.01	16.39	4.37
28	0	-11	1	16	0	16	0	11.91	16.28	4.36
29	1	3	-1	14	0	14	1	12.25	16.44	4.21
30	2	-10	1	16	0	16	1	12.56	16.77	4.21
31	3	-9	0	16	0	16	1	12.75	17.00	4.26
32	2	-10	0	16	0	16	0	12.69	16.92	4.23
33	1	-11	0	16	0	16	0	12.65	16.81	4.18
34	0	-12	0	16	0	16	0	12.58	16.69	4.11
35	1	4	-1	14	0	14	1	12.71	16.87	4.16
36	0	-13	1	16	0	16	0	12.65	16.75	4.10
37	1	5	-1	14	0	14	1	12.79	16.91	4.13
38	2	-12	1	16	0	16	1	13.05	17.09	4.03
39	3	-11	0	16	0	16	1	13.48	17.20	3.72

REQUIRED PRECISION ACHIEVED

5

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	0	8	0	2.70	14.19	11.48
3	1	1	-1	12	0	12	1	3.94	14.89	10.95
4	2	0	1	10	-2	8	1	5.56	15.74	10.18
5	3	1	1	10	-2	8	1	6.91	16.27	9.36
6	2	0	1	10	-2	8	0	5.85	14.42	8.56
7	3	1	1	10	-2	8	1	6.89	15.02	8.13
8	4	2	1	10	-2	8	1	7.72	15.46	7.74
9	5	3	1	10	-2	8	1	8.56	15.91	7.36
10	6	4	1	10	-2	8	1	9.44	16.20	6.76
11	5	3	1	10	-2	8	0	8.66	15.56	6.90
12	6	4	1	10	-2	8	1	9.47	15.93	6.46
13	5	3	1	10	-2	8	0	8.76	15.34	6.57
14	4	2	1	10	-2	8	0	8.19	14.77	6.57
15	5	3	1	10	-2	8	1	8.86	15.14	6.28
16	6	4	1	10	-2	8	1	9.54	15.38	5.84

17	7	5	1	10	-2	8	1	10.32	15.62	5.30
18	8	6	1	10	-2	8	1	10.82	15.89	5.08
				TAIL CHANGE FROM 2						
19	9	7	1	10	-2	8	1	11.35	16.09	4.76
20	8	-1	1	17	-1	16	0	11.23	15.96	4.73
21	9	0	0	16	0	16	1	11.56	16.27	4.71
22	8	-1	1	18	-2	16	0	11.52	16.17	4.65
23	7	-2	0	16	0	16	0	11.44	16.05	4.62
24	6	-3	0	16	0	16	0	11.32	15.92	4.59
25	5	-4	0	16	0	16	0	11.25	15.76	4.53
26	4	-5	0	16	0	16	0	11.14	15.58	4.44
27	3	-6	0	16	0	16	0	11.09	15.56	4.48
28	2	-7	0	16	0	16	0	11.05	15.54	4.51
29	1	-8	0	16	0	16	0	10.97	15.52	4.55
30	0	-9	0	16	0	16	0	10.92	15.50	4.58
31	-1	-1	-1	14	0	14	0	10.60	15.23	4.63
32	-2	0	-1	12	0	12	0	9.14	14.44	5.31
33	-1	1	0	12	0	12	1	9.62	14.51	4.89
34	0	2	0	12	0	12	1	10.21	14.69	4.48
35	1	3	0	12	0	12	1	10.62	14.82	4.21
36	2	0	1	14	0	14	1	10.78	15.01	4.23
37	3	-8	1	16	0	16	1	10.92	15.03	4.11
38	2	-9	0	16	0	16	0	10.88	15.03	4.14
39	1	-10	0	16	0	16	0	10.85	15.02	4.17
40	0	-11	0	16	0	16	0	10.81	15.02	4.20
41	-1	-1	-1	14	0	14	0	10.62	14.61	3.99
42	0	4	-1	12	0	12	1	10.82	14.75	3.93
43	1	5	0	12	0	12	1	11.02	14.85	3.84
44	0	-2	1	14	0	14	0	10.82	14.48	3.66

REQUIRED PRECISION ACHIEVED
6

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	0	8	1	6.04	18.04	12.00
3	3	2	1	10	-2	8	1	7.98	18.32	10.34
4	2	1	1	10	-2	8	0	6.50	17.44	10.94

5	1	0	1	10	-2	8	0	5.58	16.33	10.75
6	0	-1	1	10	-2	8	0	4.81	15.07	10.26
7	1	1	-1	12	0	12	1	5.80	15.59	9.80
8	2	0	1	10	-2	8	1	6.90	16.24	9.34
9	3	1	1	10	-2	8	1	7.98	16.69	8.71
10	4	2	1	10	-2	8	1	8.94	17.09	8.16
11	5	3	1	10	-2	8	1	9.85	17.34	7.49
12	4	2	1	10	-2	8	0	8.94	16.59	7.65
13	5	3	1	10	-2	8	1	9.75	16.96	7.23
14	6	4	1	10	-2	8	1	10.65	17.20	6.55
15	7	5	1	10	-2	8	1	11.45	17.36	5.91
16	8	6	1	10	-2	8	1	11.88	17.48	5.60
				TAIL CHANGE FROM 2						
17	9	7	1	10	-2	8	1	12.37	17.70	5.33
18	8	-1	1	17	-1	16	0	12.31	17.66	5.35
19	9	0	0	16	0	16	1	12.51	17.78	5.26
20	8	-1	1	18	-2	16	0	12.47	17.74	5.27
21	9	0	0	16	0	16	1	12.57	17.84	5.28
22	8	-1	1	18	-2	16	0	12.54	17.81	5.27
23	7	-2	0	16	0	16	0	12.52	17.78	5.26
24	6	-3	0	16	0	16	0	12.50	17.75	5.24
25	5	-4	0	16	0	16	0	12.45	17.71	5.26
26	4	-5	0	16	0	16	0	12.38	17.67	5.29
27	3	-6	0	16	0	16	0	12.32	17.63	5.31
28	2	-7	0	16	0	16	0	12.27	17.59	5.32
29	3	-6	0	16	0	16	1	12.48	17.71	5.23
30	2	-7	0	16	0	16	0	12.42	17.67	5.25
31	1	-8	0	16	0	16	0	12.36	17.63	5.27
32	0	-9	0	16	0	16	0	12.30	17.59	5.29
33	1	1	-1	14	0	14	1	12.58	17.89	5.30
34	0	-10	1	16	0	16	0	12.56	17.86	5.29
35	1	2	-1	14	0	14	1	12.75	18.07	5.33
36	2	-9	1	16	0	16	1	12.84	18.13	5.29
37	1	-10	0	16	0	16	0	12.81	18.12	5.30
38	0	-11	0	16	0	16	0	12.79	18.10	5.31

39	1	3	-1	14	0	14	1	13,04	18,25	5,20
40	0	-12	1	16	0	16	0	12,95	18,12	5,19
41	-1	2	-1	14	0	14	0	12,51	17,13	4,62
42	0	3	0	14	0	14	1	12,64	17,24	4,60
43	-1	2	0	14	0	14	0	12,20	16,50	4,30
44	0	3	0	14	0	14	1	12,50	16,72	4,22
45	1	4	0	14	0	14	1	12,62	16,90	4,28
46	0	-13	1	16	0	16	0	12,58	16,81	4,23
47	1	5	-1	14	0	14	1	12,71	16,96	4,25
48	0	-14	1	16	0	16	0	12,66	16,88	4,22
49	-1	4	-1	14	0	14	0	12,50	16,48	5,98
50	-2	3	0	14	0	14	0	12,14	16,34	4,20
51	-1	4	0	14	0	14	1	12,56	16,45	3,88
52	0	5	0	14	0	14	1	12,79	16,64	3,85
53	1	6	0	14	0	14	1	13,09	16,90	3,81
54	0	-15	1	16	0	16	0	13,03	16,82	3,79

REQUIRED PRECISION ACHIEVED
7

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	0	-1	1	8	0	8	0	2,96	15,90	12,94
3	-1	-1	-1	12	0	12	0	2,23	13,07	10,84
4	0	1	-1	10	0	10	1	3,33	13,43	10,10
5	1	2	0	10	0	10	1	4,02	13,76	9,75
6	2	0	1	10	-2	8	1	5,06	14,55	9,49
7	3	1	1	10	-2	8	1	6,01	15,38	9,37
8	4	2	1	10	-2	8	1	6,90	16,19	9,29
9	5	3	1	10	-2	8	1	7,88	16,78	8,91
10	6	4	1	10	-2	8	1	8,79	17,17	8,39
11	7	5	1	10	-2	8	1	9,60	17,41	7,80
12	6	4	1	10	-2	8	0	8,80	16,69	7,89
13	7	5	1	10	-2	8	1	9,51	17,05	7,54
14	8	6	1	10	-2	8	1	10,47	17,27	6,80
				TAIL CHANGE FROM 2						
15	9	7	1	10	-2	8	1	11,38	17,43	6,05
16	8	-1	1	17	-1	16	0	11,16	17,32	6,16

17	7	-2	0	16	0	16	0	10.97	17.20	6.23
18	6	-3	0	16	0	16	0	10.81	17.07	6.26
19	7	-2	0	16	0	16	1	11.85	17.48	5.62
20	6	-3	0	16	0	16	0	11.75	17.39	5.64
21	5	-4	0	16	0	16	0	11.66	17.29	5.63
22	4	-5	0	16	0	16	0	11.58	17.18	5.60
23	3	-6	0	16	0	16	0	11.51	17.06	5.55
24	2	-7	0	16	0	16	0	11.32	16.92	5.60
25	1	-8	0	16	0	16	0	11.15	16.76	5.61
26	0	-9	0	16	0	16	0	11.00	16.58	5.58
27	1	1	-1	14	0	14	1	11.75	17.05	5.30
28	0	-10	1	16	0	16	0	11.68	16.92	5.25
29	1	2	-1	14	0	14	1	12.22	17.23	5.01
30	2	-9	1	16	0	16	1	12.70	17.48	4.78
31	1	-10	0	16	0	16	0	12.65	17.42	4.77
32	2	-9	0	16	0	16	1	12.99	17.78	4.79
33	3	-8	0	16	0	16	1	13.52	18.06	4.55
34	2	-9	0	16	0	16	0	13.41	17.99	4.58
35	1	-10	0	16	0	16	0	13.29	17.91	4.62
36	0	-11	0	16	0	16	0	13.18	17.80	4.62
37	1	3	-1	14	0	14	1	13.57	17.99	4.41
38	0	-12	1	16	0	16	0	13.55	17.91	4.38
39	-1	2	-1	14	0	14	0	13.12	17.48	4.36
40	0	3	0	14	0	14	1	13.53	17.73	4.20
41	1	4	0	14	0	14	1	13.73	17.93	4.20
42	2	-11	1	16	0	16	1	14.04	18.12	4.07
43	1	-12	0	16	0	16	0	13.93	18.06	4.11
44	0	-13	0	16	0	16	0	13.88	18.00	4.12
45	1	5	-1	14	0	14	1	14.21	18.10	3.90
46	0	-14	1	16	0	16	0	14.10	18.05	3.95
47	-1	4	-1	14	0	14	0	13.79	17.77	3.97
48	0	5	0	14	0	14	1	14.05	17.93	3.88
49	1	6	0	14	0	14	1	14.45	18.05	3.61

REQUIRED PRECISION ACHIEVED

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	0	8	0	2.96	15.90	12.94
3	1	1	-1	12	0	12	1	4.69	16.78	12.09
4	2	0	1	10	-2	8	1	6.51	17.37	10.86
5	3	1	1	10	-2	8	1	8.04	17.80	9.77
6	4	2	1	10	-2	8	1	9.34	18.11	8.77
7	5	3	1	10	-2	8	1	10.75	18.29	7.55
8	4	2	1	10	-2	8	0	9.19	17.54	8.35
9	5	3	1	10	-2	8	1	10.45	17.88	7.43
10	6	4	1	10	-2	8	1	11.43	18.10	6.67
11	7	5	1	10	-2	8	1	12.05	18.24	6.22
12	6	4	1	10	-2	8	0	11.07	17.56	6.49
13	5	3	1	10	-2	8	0	9.97	17.02	7.05
14	6	1	1	10	-3	7	1	10.29	17.05	6.76
15	7	2	1	9	-2	7	1	10.56	17.07	6.52
16	6	1	1	9	-2	7	0	9.09	16.73	7.64
17	7	2	1	9	-2	7	1	9.31	16.78	7.48
18	8	3	1	9	-2	7	1	9.54	16.83	7.29
				TAIL CHANGE FROM 2						
19	9	4	1	9	-2	7	1	9.77	16.86	7.09
20	8	-1	1	17	-1	16	0	9.62	16.67	7.05
21	7	-2	0	16	0	16	0	9.48	16.48	6.99
22	8	-1	0	16	0	16	1	10.75	17.17	6.43
23	7	-2	0	16	0	16	0	10.64	17.04	6.40
24	6	-3	0	16	0	16	0	10.55	16.89	6.35
25	5	-4	0	16	0	16	0	10.45	16.82	6.37
26	4	-5	0	16	0	16	0	10.32	16.74	6.43
27	5	-4	0	16	0	16	1	11.22	17.11	5.89
28	4	-5	0	16	0	16	0	11.10	17.05	5.96
29	3	-6	0	16	0	16	0	10.99	17.00	6.01
30	2	-7	0	16	0	16	0	10.89	16.94	6.05
31	3	-6	0	16	0	16	1	11.69	17.21	5.53
32	2	-7	0	16	0	16	0	11.63	17.17	5.54
33	1	-8	0	16	0	16	0	11.58	17.13	5.54

34	0	-9	0	16	0	16	0	11,54	17,08	5,55
35	1	1	-1	14	0	14	1	11,98	17,35	5,37
36	0	-10	1	16	0	16	0	11,91	17,32	5,41
37	-1	0	-1	14	0	14	0	11,63	16,90	5,27
38	-2	-1	0	14	0	14	0	11,33	16,40	5,07
39	-1	2	-1	12	0	12	1	11,66	16,47	4,81
40	0	3	0	12	0	12	1	11,86	16,57	4,71
41	1	4	0	12	0	12	1	12,08	16,72	4,64
42	2	0	1	14	0	14	1	12,55	17,06	4,53
43	3	-9	1	16	0	16	1	12,75	17,22	4,50
44	2	-10	0	16	0	16	0	12,70	17,19	4,50
45	1	-11	0	16	0	16	0	12,67	17,16	4,50
46	0	-12	0	16	0	16	0	12,64	17,13	4,49
47	-1	-1	-1	14	0	14	0	12,51	16,70	4,19
48	0	5	-1	12	0	12	1	12,59	16,80	4,21
49	1	6	0	12	0	12	1	12,67	16,89	4,21
50	0	-2	1	14	0	14	0	12,56	16,46	3,90
51	1	7	-1	12	0	12	1	12,63	16,49	3,86
52	0	-3	1	14	0	14	0	12,55	16,35	3,82
53	-1	6	-1	12	0	12	0	11,98	15,78	3,80

REQUIRED PRECISION ACHIEVED

9

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,36	17,63	12,28
3	3	2	1	9	-2	7	1	6,42	17,79	11,36
4	4	3	1	9	-2	7	1	7,08	17,90	10,82
5	5	4	1	9	-2	7	1	7,63	17,99	10,36
6	6	5	1	9	-2	7	1	7,99	18,06	10,07
7	7	6	1	9	-2	7	1	8,55	18,13	9,78
8	8	7	1	9	-2	7	1	8,65	18,18	9,53
9	7	6	1	9	-2	7	0	6,98	15,95	8,97
10	8	7	1	9	-2	7	1	7,56	16,31	8,75

TAIL CHANGE FROM 2

11	9	8	1	9	-2	7	1	7,94	16,56	8,61
12	8	-1	1	17	-1	16	0	7,89	16,42	8,53

13	7	-2	0	16	0	16	0	7,85	16,30	8,46
14	6	-3	0	16	0	16	0	7,80	16,17	8,37
15	5	-4	0	16	0	16	0	7,76	16,03	8,27
16	4	-5	0	16	0	16	0	7,73	15,89	8,16
17	3	-6	0	16	0	16	0	7,70	15,72	8,03
18	2	-7	0	16	0	16	0	7,67	15,55	7,88
19	3	-6	0	16	0	16	1	8,25	16,51	8,27
20	2	-7	0	16	0	16	0	8,18	16,41	8,23
21	1	-8	0	16	0	16	0	8,11	16,30	8,19
22	0	-9	0	16	0	16	0	8,05	16,18	8,14
23	1	1	-1	14	0	14	1	8,68	17,03	8,35
24	0	-10	1	16	0	16	0	8,61	16,93	8,32
25	1	2	-1	14	0	14	1	9,52	17,43	7,90
26	0	-1	1	16	-1	15	0	9,05	16,94	7,89
27	1	1	-1	13	0	13	1	10,02	17,25	7,23
28	0	-2	1	15	0	15	0	9,70	16,81	7,11
29	1	2	-1	13	0	13	1	10,53	17,12	6,59
30	0	-3	1	15	0	15	0	10,17	16,70	6,53
31	1	3	-1	13	0	13	1	10,82	17,01	6,19
32	0	-4	1	15	0	15	0	10,60	16,58	5,98
33	-1	2	-1	13	0	13	0	9,89	15,48	5,59
34	0	3	0	13	0	13	1	10,55	15,81	5,28
35	1	4	0	13	0	13	1	10,92	16,05	5,12
36	0	-5	1	15	0	15	0	10,77	15,80	5,03
37	1	5	-1	13	0	13	1	11,22	16,03	4,81
38	0	-6	1	15	0	15	0	11,04	15,78	4,75
39	1	6	-1	13	0	13	1	11,52	16,01	4,49
40	2	-5	1	15	0	15	1	11,75	16,25	4,52
41	3	-4	0	15	0	15	1	12,02	16,40	4,37
42	2	-5	0	15	0	15	0	11,88	16,30	4,42
43	1	-6	0	15	0	15	0	11,77	16,19	4,42
44	2	-5	0	15	0	15	1	12,05	16,34	4,29
45	1	-6	0	15	0	15	0	11,91	16,24	4,33
46	0	-7	0	15	0	15	0	11,80	16,12	4,32
47	1	7	-1	13	0	13	1	12,01	16,22	4,22

48	0	-8	1	15	0	15	0	11,90	16,10	4,20
49	1	8	-1	13	0	13	1	12,11	16,21	4,10
50	2	-7	1	15	0	15	1	12,48	16,33	3,85
51	3	-6	0	15	0	15	1	12,66	16,42	3,75

REQUIRED PRECISION ACHIEVED

10

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,86	17,78	11,93
3	3	2	1	9	-2	7	1	7,53	17,98	10,45
4	4	3	1	9	-2	7	1	8,66	18,11	9,44
5	5	4	1	9	-2	7	1	9,41	18,19	8,78
6	6	5	1	9	-2	7	1	9,99	18,25	8,27
7	7	6	1	9	-2	7	1	10,55	18,31	7,76
8	8	7	1	9	-2	7	1	10,92	18,35	7,42
				TAIL CHANGE FROM 2						
9	9	8	1	9	-2	7	1	11,33	18,39	7,05
10	8	-1	1	17	-2	15	0	10,80	17,53	6,73
11	7	-2	0	15	0	15	0	10,49	17,03	6,55
12	6	-3	0	15	0	15	0	10,12	16,46	6,34
13	7	-2	0	15	0	15	1	10,94	17,07	6,13
14	6	-3	0	15	0	15	0	10,68	16,59	5,90
15	5	-4	0	15	0	15	0	10,48	16,27	5,79
16	6	-3	0	15	0	15	1	11,09	16,71	5,61
17	5	-4	0	15	0	15	0	10,82	16,31	5,49
18	6	-3	0	15	0	15	1	11,15	16,49	5,33
19	7	-2	0	15	0	15	1	11,53	16,85	5,32
20	8	-1	0	15	0	15	1	11,73	17,09	5,36
21	7	-2	0	15	0	15	0	11,55	16,66	5,10
22	8	-1	0	15	0	15	1	11,74	16,96	5,22
23	7	-2	0	15	0	15	0	11,58	16,47	4,90
24	8	-1	0	15	0	15	1	11,76	16,79	5,03
25	7	-2	0	15	0	15	0	11,60	16,41	4,81
26	6	-3	0	15	0	15	0	11,44	16,23	4,79
27	7	-2	0	15	0	15	1	11,62	16,36	4,74
28	8	-1	0	15	0	15	1	11,79	16,46	4,67

29	9	0	0	15	0	15	1	12,02	16,71	4,68
30	10	1	1	17	-2	15	1	12,34	16,96	4,62
31	11	2	1	17	-2	15	1	12,62	17,13	4,51
32	10	1	1	17	-2	15	0	12,35	16,80	4,45
33	11	2	1	17	-2	15	1	12,61	17,02	4,40
34	12	3	1	17	-2	15	1	12,84	17,16	4,32
35	13	4	1	17	-2	15	1	13,13	17,26	4,13
36	12	3	1	17	-2	15	0	12,83	17,13	4,30
37	13	4	1	17	-2	15	1	13,23	17,23	3,99
38	14	5	1	17	-2	15	1	13,67	17,30	3,64

REQUIRED PRECISION ACHIEVED

11

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,86	17,78	11,93
3	3	2	1	9	-2	7	1	7,53	17,98	10,45
4	4	3	1	9	-2	7	1	8,66	18,11	9,44
5	5	4	1	9	-2	7	1	9,41	18,19	8,78
6	6	5	1	9	-2	7	1	9,99	18,25	8,27
7	7	6	1	9	-2	7	1	10,53	18,31	7,76
8	8	7	1	9	-2	7	1	10,92	18,35	7,42
				TAIL CHANGE FROM 2						
9	9	8	1	9	-2	7	1	11,33	18,39	7,05
10	8	-1	1	17	-2	15	0	10,80	17,69	6,89
11	7	-2	0	15	0	15	0	10,49	17,15	6,66
12	6	-3	0	15	0	15	0	10,15	16,60	6,46
13	7	-2	0	15	0	15	1	10,66	17,08	6,41
14	8	-1	0	15	0	15	1	11,21	17,37	6,15
15	9	0	0	15	0	15	1	11,70	17,68	5,97
16	10	1	1	17	-2	15	1	12,17	18,02	5,84
17	9	0	1	17	-2	15	0	11,80	17,48	5,67
18	8	-1	1	17	-2	15	0	11,57	17,24	5,66
19	7	-2	0	15	0	15	0	11,25	16,94	5,69
20	6	-3	0	15	0	15	0	10,94	16,50	5,56
21	5	-4	0	15	0	15	0	10,71	16,30	5,59
22	6	-3	0	15	0	15	1	11,13	16,49	5,36

23	5	-4	0	15	0	15	0	10.87	16.32	5.44
24	6	-3	0	15	0	15	1	11.34	16.49	5.14
25	7	-2	0	15	0	15	1	11.66	16.84	5.18
26	6	-3	0	15	0	15	0	11.52	16.48	4.96
27	5	-4	0	15	0	15	0	11.24	16.33	5.09
28	4	-5	0	15	0	15	0	10.99	16.16	5.17
29	3	-6	0	15	0	15	0	10.81	15.95	5.14
30	4	-5	0	15	0	15	1	11.17	16.18	5.02
31	3	-6	0	15	0	15	0	10.96	15.99	5.03
32	2	-7	0	15	0	15	0	10.81	15.76	4.95
33	1	-8	0	15	0	15	0	10.69	15.49	4.80
34	2	-7	0	15	0	15	1	11.30	15.99	4.70
35	1	-8	0	15	0	15	0	11.10	15.79	4.69
36	0	-9	0	15	0	15	0	10.94	15.52	4.58
37	1	1	-1	13	0	13	1	11.45	15.83	4.40
38	0	-10	1	15	0	15	0	11.23	15.58	4.35
39	1	2	-1	13	0	13	1	11.56	15.86	4.30
40	2	-9	1	15	0	15	1	11.82	16.17	4.35
41	1	-10	0	15	0	15	0	11.75	16.04	4.31
42	0	-11	0	15	0	15	0	11.66	15.88	4.22
43	1	3	-1	13	0	13	1	11.79	16.06	4.26
44	0	-12	1	15	0	15	0	11.72	15.90	4.18
45	1	4	-1	13	0	13	1	11.85	16.08	4.22
46	2	-11	1	15	0	15	1	12.23	16.27	4.04
47	1	-12	0	15	0	15	0	12.08	16.18	4.10
48	0	-13	0	15	0	15	0	11.97	16.07	4.10
49	1	5	-1	13	0	13	1	12.13	16.19	4.04
50	0	-14	1	15	0	15	0	12.03	16.09	4.06
51	1	6	-1	13	0	13	1	12.21	16.20	3.99
52	2	-13	1	15	0	15	1	12.59	16.33	3.74

REQUIRED PRECISION ACHIEVED
12

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	-1	7	1	5.86	17.78	11.93
3	3	2	1	9	-2	7	1	7.53	17.98	10.45

4	4	3	1	9	-2	7	1	8.66	18.11	9.44
5	5	4	1	9	-2	7	1	9.41	18.19	8.78
6	6	5	1	9	-2	7	1	9.99	18.25	8.27
7	7	6	1	9	-2	7	1	10.55	18.31	7.76
8	8	7	1	9	-2	7	1	11.02	18.36	7.35
				TAIL CHANGE FROM 2						
9	9	8	1	9	-2	7	1	11.55	18.41	6.86
10	8	-1	1	17	-2	15	0	11.02	17.91	6.89
11	7	-2	0	15	0	15	0	10.65	17.34	6.69
12	6	-3	0	15	0	15	0	10.35	16.93	6.58
13	5	-4	0	15	0	15	0	10.07	16.45	6.39
14	4	-5	0	15	0	15	0	9.86	16.19	6.33
15	3	-6	0	15	0	15	0	9.71	15.89	6.18
16	2	-7	0	15	0	15	0	9.59	15.51	5.92
17	3	-6	0	15	0	15	1	10.24	16.18	5.94
18	2	-7	0	15	0	15	0	10.03	15.92	5.89
19	1	-8	0	15	0	15	0	9.87	15.60	5.73
20	2	-7	0	15	0	15	1	10.65	16.16	5.53
21	1	-8	0	15	0	15	0	10.45	15.94	5.49
22	0	-9	0	15	0	15	0	10.25	15.67	5.44
23	1	1	-1	13	0	13	1	10.81	15.98	5.17
24	0	-10	1	15	0	15	0	10.67	15.73	5.06
25	1	2	-1	13	0	13	1	11.15	16.01	4.86
26	0	-11	1	15	0	15	0	10.97	15.78	4.80
27	1	3	-1	13	0	13	1	11.50	16.03	4.53
28	0	-12	1	15	0	15	0	11.30	15.82	4.52
29	1	4	-1	13	0	13	1	11.68	16.10	4.41
30	0	-13	1	15	0	15	0	11.62	15.92	4.30
31	1	5	-1	13	0	13	1	11.90	16.14	4.24
32	0	-14	1	15	0	15	0	11.81	15.98	4.17
33	1	6	-1	13	0	13	1	12.19	16.16	3.98
34	2	-13	1	15	0	15	1	12.57	16.35	3.78
REQUIRED PRECISION ACHIEVED										
13										
1	1	1	0	6	0	6	1	5.85	17.44	13.58

2	2	1	1	8	-1	7	1	5,67	17,82	12,16
3	1	0	1	9	-2	7	0	3,78	15,05	11,24
4	2	1	1	9	-2	7	1	5,09	15,95	10,84
5	3	2	1	9	-2	7	1	6,07	16,60	10,53
6	4	3	1	9	-2	7	1	6,88	16,99	10,12
7	5	4	1	9	-2	7	1	7,68	17,24	9,56
8	6	5	1	9	-2	7	1	8,52	17,41	8,89
9	7	6	1	9	-2	7	1	9,02	17,55	8,53
10	8	7	1	9	-2	7	1	9,61	17,73	8,12
				TAIL CHANGE FROM 2						
11	9	8	1	9	-2	7	1	10,19	17,86	7,67
12	8	-1	1	17	-2	15	0	9,78	17,28	7,50
13	7	-2	0	15	0	15	0	9,51	16,80	7,29
14	8	-1	0	15	0	15	1	10,71	17,40	6,68
15	9	0	0	15	0	15	1	11,90	17,97	6,07
16	8	-1	1	17	-2	15	0	11,63	17,46	5,83
17	7	-2	0	15	0	15	0	11,30	17,20	5,90
18	8	-1	0	15	0	15	1	12,10	17,49	5,38
19	9	0	0	15	0	15	1	12,86	17,97	5,12
20	10	1	1	17	-2	15	1	13,60	18,23	4,63
21	9	0	1	17	-2	15	0	13,28	17,96	4,68
22	10	1	1	17	-2	15	1	13,78	18,20	4,41
23	9	0	1	17	-2	15	0	13,59	17,94	4,34
24	8	-1	1	17	-2	15	0	13,35	17,52	4,17
25	7	-2	0	15	0	15	0	13,06	17,43	4,36
26	6	-3	0	15	0	15	0	12,85	17,34	4,49
27	7	-2	0	15	0	15	1	13,42	17,45	4,03
28	6	-3	0	15	0	15	0	13,15	17,37	4,22
29	5	-4	0	15	0	15	0	12,94	17,27	4,33
30	4	-5	0	15	0	15	0	12,77	17,15	4,38
31	5	-4	0	15	0	15	1	13,23	17,31	4,08
32	4	-5	0	15	0	15	0	13,02	17,20	4,19
33	5	-4	0	15	0	15	1	13,52	17,34	3,82
34	4	-5	0	15	0	15	0	13,30	17,25	3,95
35	3	-6	0	15	0	15	0	13,09	17,13	4,04

36	2	-7	0	15	0	15	0	12,95	16,98	4,05
37	3	-6	0	15	0	15	1	13,37	17,18	3,80
38	2	-7	0	15	0	15	0	13,17	17,05	3,88
39	3	-6	0	15	0	15	1	13,55	17,22	5,67

REQUIRED PRECISION ACHIEVED
14

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,67	17,82	12,16
3	3	2	1	9	-2	7	1	7,01	18,05	11,04
4	4	3	1	9	-2	7	1	8,25	18,19	9,94
5	5	4	1	9	-2	7	1	9,17	18,28	9,11
6	6	5	1	9	-2	7	1	10,05	18,34	8,30
7	7	6	1	9	-2	7	1	10,96	18,39	7,43
8	8	7	1	9	-2	7	1	11,67	18,43	6,75
				TAIL CHANGE FROM 2						
9	9	8	1	9	-2	7	1	12,05	18,46	6,41
10	10	1	1	17	-2	15	1	13,00	18,81	5,81
11	9	0	1	17	-2	15	0	12,67	18,48	5,81
12	10	1	1	17	-2	15	1	13,48	18,81	5,33
13	9	0	1	17	-2	15	0	13,05	18,48	5,43
14	8	-1	1	17	-2	15	0	12,75	18,31	5,56
15	9	0	0	15	0	15	1	13,48	18,48	5,00
16	10	1	1	17	-2	15	1	14,03	18,79	4,75
17	9	0	1	17	-2	15	0	13,75	18,48	4,75
18	8	-1	1	17	-2	15	0	13,40	18,27	4,88
19	7	-2	0	15	0	15	0	13,02	18,01	4,99
20	8	-1	0	15	0	15	1	13,42	18,17	4,75
21	9	0	0	15	0	15	1	13,72	18,30	4,58
22	10	1	1	17	-2	15	1	14,05	18,39	4,35
23	9	0	1	17	-2	15	0	13,72	18,21	4,49
24	8	-1	1	17	-2	15	0	13,48	17,96	4,49
25	9	0	0	15	0	15	1	13,72	18,12	4,40
26	8	-1	1	17	-2	15	0	13,51	17,85	4,34
27	9	0	0	15	0	15	1	13,75	18,02	4,29
28	10	1	1	17	-2	15	1	14,01	18,15	4,14

29	11	2	1	17	-2	15	1	14.39	18.25	3.86
30	10	1	1	17	-2	15	0	14.01	18.06	4.06
31	11	2	1	17	-2	15	1	14.37	18.18	3.81
32	12	3	1	17	-2	15	1	14.56	18.26	3.71

REQUIRED PRECISION ACHIEVED
15

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	-1	7	1	5.67	17.82	12.16
3	3	2	1	9	-2	7	1	7.01	18.05	11.04
4	2	1	1	9	-2	7	0	5.09	15.93	10.84
5	3	2	1	9	-2	7	1	6.07	16.60	10.53
6	4	3	1	9	-2	7	1	6.88	16.99	10.12
7	5	4	1	9	-2	7	1	7.68	17.24	9.56
8	6	5	1	9	-2	7	1	8.52	17.41	8.89
9	7	6	1	9	-2	7	1	8.92	17.48	8.56
10	8	7	1	9	-2	7	1	9.40	17.58	8.19

TAIL CHANGE FROM 2

11	9	8	1	9	-2	7	1	9.82	17.68	7.87
12	10	1	1	17	-2	15	1	10.66	18.11	7.45
13	9	0	1	17	-2	15	0	10.12	17.51	7.39
14	8	-1	1	17	-2	15	0	9.71	17.13	7.42
15	9	0	0	15	0	15	1	10.45	17.44	7.01
16	8	-1	1	17	-2	15	0	9.98	17.08	7.10
17	7	-2	0	15	0	15	0	9.66	16.58	6.92
18	8	-1	0	15	0	15	1	10.25	17.03	6.78
19	9	0	0	15	0	15	1	10.85	17.32	6.47
20	8	-1	1	17	-2	15	0	10.52	16.99	6.47
21	7	-2	0	15	0	15	0	10.16	16.51	6.36
22	6	-3	0	15	0	15	0	9.87	16.14	6.27
23	5	-4	0	15	0	15	0	9.65	15.68	6.04
24	4	-5	0	15	0	15	0	9.41	15.37	5.96
25	5	-4	0	15	0	15	1	9.82	15.71	5.89
26	6	-3	0	15	0	15	1	10.29	16.11	5.82
27	7	-2	0	15	0	15	1	10.85	16.38	5.55
28	8	-1	0	15	0	15	1	11.52	16.66	5.14

29	7	-2	0	15	0	15	0	11.06	16.36	5.30
30	6	-3	0	15	0	15	0	10.69	16.10	5.41
31	5	-4	0	15	0	15	0	10.39	15.76	5.37
32	4	-5	0	15	0	15	0	10.11	15.44	5.33
33	5	-4	0	15	0	15	1	10.58	15.77	5.19
34	4	-5	0	15	0	15	0	10.29	15.45	5.16
35	5	-4	0	15	0	15	1	10.76	15.77	5.01
36	4	-5	0	15	0	15	0	10.49	15.46	4.97
37	5	-4	0	15	0	15	1	10.97	15.77	4.80
38	6	-3	0	15	0	15	1	11.54	16.06	4.52
39	5	-4	0	15	0	15	0	11.21	15.77	4.57
40	6	-3	0	15	0	15	1	11.61	16.05	4.45
41	7	-2	0	15	0	15	1	11.82	16.26	4.43
42	6	-3	0	15	0	15	0	11.68	16.04	4.37
43	5	-4	0	15	0	15	0	11.56	15.77	4.21
44	6	-3	0	15	0	15	1	11.74	16.03	4.28
45	5	-4	0	15	0	15	0	11.62	15.76	4.14
46	4	-5	0	15	0	15	0	11.52	15.48	3.96
47	3	-6	0	15	0	15	0	11.15	15.39	4.23
48	4	-5	0	15	0	15	1	11.57	15.48	3.91
49	3	-1	0	15	-1	14	0	11.38	15.35	3.97
50	4	0	0	14	0	14	1	11.67	15.48	3.81
51	3	-1	1	16	-2	14	0	11.57	15.36	3.79

REQUIRED PRECISION ACHIEVED
16

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	-1	7	1	5.30	17.72	12.42
3	3	2	1	9	-2	7	1	6.44	17.91	11.47
4	4	3	1	9	-2	7	1	7.54	18.03	10.50
5	5	4	1	9	-2	7	1	8.46	18.12	9.66
6	6	5	1	9	-2	7	1	9.14	18.19	9.05
7	7	6	1	9	-2	7	1	9.78	18.24	8.46
8	8	7	1	9	-2	7	1	10.36	18.28	7.92
				TAIL CHANGE FROM 2						
9	9	8	1	9	-2	7	1	10.81	18.31	7.49

10	10	1	1	17	-3	14	1	11,97	18,47	6,50
11	9	0	1	16	-2	14	0	11,12	18,04	6,92
12	8	-1	1	16	-2	14	0	10,24	17,26	7,02
13	9	0	0	14	0	14	1	11,45	17,61	6,17
14	8	-1	1	16	-2	14	0	10,64	17,00	6,36
15	7	-2	0	14	0	14	0	10,03	16,25	6,22
16	8	-1	0	14	0	14	1	10,94	16,71	5,78
17	9	0	0	14	0	14	1	11,65	17,11	5,46
18	8	-1	1	16	-2	14	0	11,25	16,45	5,20
19	7	-2	0	14	0	14	0	10,76	15,92	5,16
20	8	-1	0	14	0	14	1	11,52	16,31	4,79
21	7	-2	0	14	0	14	0	11,03	15,74	4,71
22	8	-1	0	14	0	14	1	11,59	16,17	4,57
23	9	0	0	14	0	14	1	11,78	16,37	4,59
24	10	1	1	16	-2	14	1	12,02	16,55	4,54
25	11	2	1	16	-2	14	1	12,35	16,85	4,50
26	12	3	1	16	-2	14	1	12,61	17,05	4,44
27	13	4	1	16	-2	14	1	12,82	17,21	4,38
28	12	3	1	16	-2	14	0	12,57	16,77	4,19
29	11	2	1	16	-2	14	0	12,25	16,37	4,11
30	12	3	1	16	-2	14	1	12,55	16,48	3,93
31	11	2	1	16	-2	14	0	12,22	16,23	4,01
32	10	1	1	16	-2	14	0	11,97	15,88	3,91
33	11	2	1	16	-2	14	1	12,20	16,09	3,89
34	10	1	1	16	-2	14	0	11,97	15,68	3,71

REQUIRED PRECISION ACHIEVED
17

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,30	17,72	12,42
3	3	2	1	9	-2	7	1	6,44	17,91	11,47
4	4	3	1	9	-2	7	1	7,98	18,14	10,16
5	5	4	1	9	-2	7	1	9,28	18,28	8,99
6	6	5	1	9	-2	7	1	10,20	18,37	8,16
7	7	6	1	9	-2	7	1	10,96	18,43	7,47
8	8	7	1	9	-2	7	1	11,59	18,48	6,89

TAIL CHANGE FROM 2

9	9	8	1	9	-2	7	1	11.88	18.54	6.66
10	8	-1	1	17	-3	14	0	11.01	18.05	7.05
11	9	0	0	14	0	14	1	11.74	18.30	6.56
12	8	-1	1	16	-2	14	0	11.02	17.42	6.41
13	9	0	0	14	0	14	1	11.67	17.79	6.11
14	8	-1	1	16	-2	14	0	11.07	17.13	6.06
15	9	0	0	14	0	14	1	11.65	17.33	5.68
16	10	1	1	16	-2	14	1	11.99	17.47	5.48
17	11	2	1	16	-2	14	1	12.49	17.81	5.32
18	12	3	1	16	-2	14	1	12.81	18.10	5.29
19	13	4	1	16	-2	14	1	13.22	18.29	5.07
20	14	5	1	16	-2	14	1	13.62	18.42	4.80
21	15	6	1	16	-2	14	1	13.88	18.52	4.64
22	16	7	1	16	-2	14	1	14.19	18.65	4.46
23	15	6	1	16	-2	14	0	13.68	18.22	4.54
24	16	7	1	16	-2	14	1	13.91	18.36	4.45
25	17	8	1	16	-2	14	1	14.20	18.47	4.27
26	16	7	1	16	-2	14	0	13.74	17.88	4.15
27	15	6	1	16	-2	14	0	13.40	17.39	3.99
28	16	7	1	16	-2	14	1	13.62	17.44	3.82
29	17	8	1	16	-2	14	1	13.79	17.48	3.69

REQUIRED PRECISION ACHIEVED

TT= 64
STEP SIZE= 2
ABILITY BAND= 10 INITIAL ESTIMATE= 10
INITIAL 75% LIMITS 6 TO 14

MAN NO.	ITEM NO.	R-W BALANCE O/ALL	R-W BALANCE LEVEL	MOVE DIRN	TAIL BAND LOCATION SOUGHT R	SOUGHT W	DIFF.	FOUND R	FOUND W	RESP	90 PERCENT LIMITS LOWER	UPPER	DIFF.
1													
	1	1	1	0	6		0	6		1	5.85	17.44	11.58
	2	0	-1	1	8		0	8		0	2.70	14.19	11.48
	3	-1	-1	-1		12	0		12	0	1.95	12.18	10.24
	4	0	1	-1		10	0		10	1	2.94	12.48	9.55
	5	-1	0	0		10	0		10	0	1.67	10.56	8.89
	6	0	1	0		10	0		10	1	2.52	10.92	8.40
	7	1	2	0		10	0		10	1	3.29	11.14	7.85
	8	0	-1	1	10		-1	9		0	2.97	10.64	7.67
	9	1	1	-1		8	0		8	1	3.58	10.96	7.38
	10	0	-2	1	11		-2	9		0	3.35	10.46	7.12
	11	1	2	-1		6	2		8	1	3.70	10.77	7.08
	12	0	-3	1	11		-2	9		0	3.58	10.36	6.78
	13	1	3	-1		6	2		8	1	3.79	10.59	6.79
	14	0	-4	1	11		-2	9		0	3.68	10.26	6.58
	15	1	4	-1		6	2		8	1	3.87	10.45	6.58
	16	2	-3	1	11		-2	9		1	4.78	11.10	6.32
	17	1	-4	0	9		0	9		0	4.59	10.80	6.21
	18	0	-5	0	9		0	9		0	4.40	10.46	6.05
	19	1	5	-1		6	2		8	1	4.61	10.65	6.04
	20	0	-6	1	11		-2	9		0	4.46	10.38	5.92
	21	1	6	-1		6	2		8	1	4.63	10.49	5.86
	22	2	-5	1	11		-2	9		1	5.54	11.01	5.47
	23	3	-4	0	9		0	9		1	6.15	11.27	5.12
	24	2	-5	0	9		0	9		0	5.92	11.12	5.20
	25	3	-4	0	9		0	9		1	6.58	11.31	4.73
	26	2	-5	0	9		0	9		0	6.38	11.19	4.80
	27	3	-4	0	9		0	9		1	6.80	11.35	4.54

28	2	-5	0	9	0	9	0	6.66	11.23	4.57
29	3	-4	0	9	0	9	1	7.05	11.37	4.34
30	4	-3	0	9	0	9	1	7.52	11.47	3.95
31	3	-4	0	9	0	9	0	7.28	11.39	4.10
32	2	-5	0	9	0	9	0	7.07	11.30	4.23
33	1	-2	0	9	-1	8	0	6.96	11.22	4.25
34	0	-3	0	8	0	8	0	6.86	11.13	4.26
35	1	7	-1	6	2	8	1	6.98	11.17	4.20
36	2	-2	1	10	-2	8	1	7.15	11.26	4.11
37	1	-3	0	8	0	8	0	7.04	11.18	4.14
38	2	-2	0	8	0	8	1	7.22	11.27	4.05
39	1	-3	0	8	0	8	0	7.10	11.19	4.09
40	0	-4	0	8	0	8	0	7.00	11.10	4.10
41	1	8	-1	6	2	8	1	7.12	11.15	4.03
42	0	-5	1	10	-2	8	0	7.02	11.06	4.04
43	-1	7	-1	6	2	8	0	6.60	10.34	3.74

REQUIRED PRECISION ACHIEVED

2

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	0	8	0	2.70	14.19	11.48
3	-1	-1	-1	12	0	12	0	1.95	12.18	10.24
4	0	1	-1	10	0	10	1	2.94	12.48	9.55
5	1	2	0	10	0	10	1	3.78	12.80	9.02
6	0	-2	1	10	-2	8	0	3.49	12.05	8.56
7	1	1	-1	8	0	8	1	3.92	12.28	8.36
8	0	-3	1	10	-2	8	0	3.66	11.70	8.04
9	1	2	-1	6	2	8	1	4.04	11.96	7.93
10	0	-4	1	10	-2	8	0	3.79	11.43	7.64
11	1	3	-1	6	2	8	1	4.15	11.66	7.53
12	2	-3	1	10	-2	8	1	4.82	12.14	7.31
13	1	-4	0	8	0	8	0	4.57	11.71	7.14
14	0	-5	0	8	0	8	0	4.27	11.34	7.07
15	1	4	-1	6	2	8	1	4.62	11.46	6.85
16	0	-6	1	10	-2	8	0	4.35	11.22	6.87
17	1	5	-1	6	2	8	1	4.66	11.35	6.69

| | | |

52	0	4	0	10	0	10	1	6.85	11.35	4.50
53	-1	3	0	10	0	10	0	6.64	11.13	4.49
54	0	4	0	10	0	10	1	6.68	11.16	4.48
55	1	5	0	10	0	10	1	6.73	11.19	4.46
56	2	0	1	12	0	12	1	6.86	11.29	4.43
57	1	-3	1	14	0	14	0	6.87	11.26	4.39
58	0	-4	0	14	0	14	0	6.88	11.23	4.34
59	-1	-1	-1	12	0	12	0	6.75	11.04	4.29
60	0	6	-1	10	0	10	1	6.80	11.08	4.28
61	1	7	0	10	0	10	1	6.85	11.11	4.27
62	0	-2	1	12	0	12	0	6.75	10.86	4.13
63	1	8	-1	10	0	10	1	6.77	10.91	4.13
64	2	-1	1	12	0	12	1	6.88	11.06	4.18
65	1	-2	0	12	0	12	0	6.77	10.79	4.02
66	2	-1	0	12	0	12	1	6.88	10.98	4.10
67	3	0	0	12	0	12	1	7.00	11.11	4.11
68	2	-5	1	14	0	14	0	7.02	11.08	4.05
69	3	-4	0	14	0	14	1	6.94	11.19	4.24
70	4	-3	0	14	0	14	1	6.88	11.28	4.40
71	3	-4	0	14	0	14	0	6.90	11.25	4.36
72	2	-5	0	14	0	14	0	6.91	11.22	4.31
73	1	-6	0	14	0	14	0	6.93	11.20	4.27
74	0	-7	0	14	0	14	0	6.94	11.17	4.22
75	1	1	-1	12	0	12	1	7.09	11.25	4.17
76	0	-8	1	14	0	14	0	7.11	11.23	4.12
77	-1	0	-1	12	0	12	0	6.95	11.06	4.11
78	0	1	0	12	0	12	1	7.08	11.17	4.09
79	-1	0	0	12	0	12	0	6.94	10.98	4.04
80	0	1	0	12	0	12	1	7.06	11.11	4.04
81	1	2	0	12	0	12	1	7.22	11.20	3.98
82	0	-9	1	14	0	14	0	7.25	11.17	3.93
83	1	3	-1	12	0	12	1	7.45	11.25	3.80
84	0	-10	1	14	0	14	0	7.48	11.23	3.75

REQUIRED PRECISION ACHIEVED

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35	3	-7	0	8	0	8		1	6.45	12.13	5.70
36	2	-8	0	8	0			0	6.24	11.97	5.73
37	1	-9	0	8	0			0	6.08	11.78	5.69
38	0	-10	0	8	0	7		0	5.95	11.54	5.58
39	1	-8	-1		-2		9	1	6.02	11.61	5.60
40	0	-11	-1	10	-2		8	0	5.90	11.45	5.56
41	1	-9	-1		-2	7	9	1	5.95	11.48	5.53
42	0	-12	-1	10	-2		8	0	5.85	11.40	5.56
43	1	-10	-1		-2	7	9	1	5.90	11.43	5.53
44	0	-13	-1	10	-2		8	0	5.80	11.35	5.55
45	1	-11	-1		-2	7	9	1	5.85	11.38	5.53
46	0	-14	-1	10	-2		8	0	5.75	11.30	5.55
47	1	-12	-1		-2	7	9	1	5.80	11.33	5.53
48	0	-15	-1	10	-2		8	0	5.71	11.26	5.55
49	1	-13	-1		-2	7	9	1	5.76	11.29	5.53
50	0	-16	-1	10	-2		8	0	5.67	11.21	5.54
51	1	-14	-1		-2	7	9	1	5.71	11.24	5.53
52	2	-15	-1	10	-2		8	1	5.95	11.35	5.42
53	1	-16	0	8	0		8	0	5.83	11.28	5.45
54	2	-15	0	8	0		8	1	6.06	11.38	5.31
55	3	-14	0	8	0		8	1	6.36	11.46	5.10
56	2	-15	0	8	0		8	0	6.21	11.40	5.19
57	1	-16	0	8	0		8	0	6.09	11.35	5.26
58	2	-15	0	8	0		8	1	6.38	11.43	5.04
59	1	-16	0	8	0		8	0	6.24	11.37	5.14
60	2	-15	0	8	0		8	1	6.55	11.45	4.90
61	1	-16	0	8	0		8	0	6.40	11.40	4.99
62	2	-15	0	8	0		8	1	6.68	11.47	4.79
63	1	-16	0	8	0		8	0	6.56	11.42	4.86
64	0	-17	0	8	0		8	0	6.42	11.37	4.95
65	1	-15	-1		-2	7	9	1	6.50	11.39	4.88
66	2	-16	-1	10	-2		8	1	6.75	11.45	4.70
67	1	-17	0	8	0		8	0	6.63	11.41	4.78
68	0	-18	0	8	0		8	0	6.51	11.36	4.85
69	1	3	-1		3	7	10	1	6.60	11.38	4.78

70	2	-17	1	10	-2	8	1	6.86	11.44	4.58
71	1	-18	0	8	0	8	0	6.73	11.40	4.67
72	0	-19	0	8	0	8	0	6.61	11.36	4.75
73	1	4	-1	8	2	10	1	6.70	11.38	4.67
74	0	-20	1	10	-2	8	0	6.59	11.34	4.74
75	1	5	-1	8	2	10	1	6.68	11.36	4.68
76	2	1	1	10	-3	7	1	6.88	11.38	4.50
77	3	2	1	9	-2	7	1	7.09	11.40	4.32
78	4	3	1	9	-2	7	1	7.31	11.42	4.11
79	3	2	1	9	-2	7	0	6.79	11.32	4.53
80	4	3	1	9	-2	7	1	6.97	11.35	4.38
81	5	4	1	9	-2	7	1	7.16	11.37	4.21
82	4	3	1	9	-2	7	0	6.72	11.26	4.54
83	5	4	1	9	-2	7	1	6.88	11.29	4.41
84	6	5	1	9	-2	7	1	7.05	11.31	4.27
85	5	4	1	9	-2	7	0	6.66	11.19	4.52
86	6	5	1	9	-2	7	1	6.80	11.22	4.42
87	7	6	1	9	-2	7	1	6.95	11.25	4.30
88	6	5	1	9	-2	7	0	6.62	11.10	4.48
89	7	6	1	9	-2	7	1	6.75	11.15	4.40
90	6	5	1	9	-2	7	0	6.44	10.95	4.51
91	7	6	1	9	-2	7	1	6.59	11.01	4.42
92	8	7	1	9	-2	7	1	6.70	11.06	4.36
93	7	6	1	9	-2	7	0	6.39	10.82	4.43
94	8	7	1	9	-2	7	1	6.56	10.90	4.34
				TAIL CHANGE FROM 2						
95	9	8	1	9	-2	7	1	6.66	10.96	4.30
96	8	-1	1	17	-1	16	0	6.67	10.96	4.29
97	7	-2	0	16	0	16	0	6.69	10.96	4.27
98	6	-3	0	16	0	16	0	6.70	10.96	4.26
99	5	-4	0	16	0	16	0	6.71	10.96	4.25
100	4	-5	0	16	0	16	0	6.72	10.97	4.25
101	3	-6	0	16	0	16	0	6.74	10.98	4.24
102	2	-7	0	16	0	16	0	6.75	10.98	4.23
103	1	-8	0	16	0	16	0	6.76	10.99	4.23

104	0	-9	0	16	0	16	0	6,78	11,00	4,22
105	-1	-1	-1	14	0	14	0	6,79	10,96	4,17
106	0	0	-1	12	0	12	1	6,94	11,12	4,18
107	-1	-1	0	12	0	12	0	6,84	10,96	4,12
108	0	6	-1	10	0	10	1	6,89	11,00	4,11
109	1	7	0	10	0	10	1	6,97	11,05	4,08
110	0	-2	1	12	0	12	0	6,88	10,87	3,99
111	1	8	-1	10	0	10	1	6,95	10,94	3,99
112	0	-3	1	12	0	12	0	6,87	10,72	3,85
113	1	9	-1	10	0	10	1	6,93	10,80	3,87
114	0	-4	1	12	0	12	0	6,86	10,54	3,68

REQUIRED PRECISION ACHIEVED

4

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,36	17,63	12,28
3	3	2	1	9	-2	7	1	6,42	17,79	11,36
4	4	3	1	9	-2	7	1	7,08	17,90	10,82
5	5	4	1	9	-2	7	1	7,65	17,99	10,36
6	4	3	1	9	-2	7	0	5,78	15,27	9,49
7	5	4	1	9	-2	7	1	6,62	15,82	9,20
8	6	5	1	9	-2	7	1	7,24	16,23	8,99
9	7	6	1	9	-2	7	1	7,81	16,49	8,68
10	8	7	1	9	-2	7	1	8,38	16,74	8,36

TAIL CHANGE FROM 2

11	9	8	1	9	-2	7	1	8,79	16,92	8,13
12	8	-1	1	17	-1	16	0	8,78	16,82	8,04
13	7	-2	0	16	0	16	0	8,77	16,71	7,94
14	6	-3	0	16	0	16	0	8,76	16,58	7,82
15	5	-4	0	16	0	16	0	8,75	16,46	7,71
16	4	-5	0	16	0	16	0	8,75	16,37	7,62
17	3	-6	0	16	0	16	0	8,74	16,27	7,53
18	2	-7	0	16	0	16	0	8,74	16,17	7,43
19	1	-8	0	16	0	16	0	8,73	16,06	7,33
20	2	-7	0	16	0	16	1	8,78	16,87	8,09
21	1	-8	0	16	0	16	0	8,77	16,76	7,99

22	0	-9	0	16	0	16	0	8,76	16,64	7,88
23	-1	-1	-1	14	0	14	0	8,49	15,33	6,83
24	-2	-1	-1	12	0	12	0	7,87	14,03	6,16
25	-3	-1	-1	10	0	10	0	7,26	12,77	5,51
26	-2	0	-1	8	2	10	1	7,52	12,90	5,39
27	-3	-1	0	10	0	10	0	6,67	12,16	5,49
28	-4	-2	-1	8	2	10	0	5,88	11,52	5,65
29	-3	-1	-1	8	2	10	1	6,15	11,67	5,52
30	-2	0	-1	8	2	10	1	6,50	11,79	5,29
31	-3	-1	0	10	0	10	0	5,82	11,12	5,30
32	-2	0	-1	8	2	10	1	6,05	11,26	5,21
33	-3	-1	0	10	0	10	0	5,61	10,45	4,84
34	-2	0	-1	8	2	10	1	5,78	10,56	4,78
35	-3	-1	0	10	0	10	0	5,44	10,21	4,77
36	-2	0	-1	8	2	10	1	5,61	10,29	4,68
37	-1	1	0	10	0	10	1	5,71	10,36	4,65
38	0	2	0	10	0	10	1	5,84	10,42	4,59
39	1	3	0	10	0	10	1	5,98	10,48	4,50
40	2	0	1	12	0	12	1	6,28	10,97	4,69
41	3	0	1	14	0	14	1	6,18	11,42	5,25
42	2	-10	1	16	0	16	0	6,21	11,43	5,22
43	1	-11	0	16	0	16	0	6,24	11,44	5,19
44	0	-12	0	16	0	16	0	6,28	11,44	5,17
45	-1	-1	-1	14	0	14	0	6,30	11,29	4,99
46	0	1	-1	12	0	12	1	6,69	11,70	5,01
47	-1	0	0	12	0	12	0	6,48	11,23	4,75
48	-2	-1	0	12	0	12	0	6,24	10,73	4,49
49	-1	4	-1	10	0	10	1	6,47	10,90	4,43
50	0	5	0	10	0	10	1	6,67	11,05	4,38
51	1	6	0	10	0	10	1	6,87	11,18	4,30
52	0	-2	1	12	0	12	0	6,67	10,74	4,07
53	1	7	-1	10	0	10	1	6,87	10,89	4,02
54	2	-1	1	12	0	12	1	7,22	11,23	4,01

55	1	-2	0	12	0	12	0	7.00	10.85	3.86
56	2	-1	0	12	0	12	1	7.55	11.19	3.84
57	3	0	0	12	0	12	1	7.54	11.33	3.79

REQUIRED PRECISION ACHIEVED

5

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	-1	7	1	5.86	17.78	11.93
3	3	2	1	9	-2	7	1	7.55	17.98	10.45
4	4	3	1	9	-2	7	1	8.66	18.11	9.44
5	3	2	1	9	-2	7	0	6.12	15.94	9.82
6	4	3	1	9	-2	7	1	7.09	16.32	9.22
7	5	4	1	9	-2	7	1	7.90	16.58	8.68
8	6	5	1	9	-2	7	1	8.58	16.81	8.23
9	7	6	1	9	-2	7	1	8.94	16.97	8.03
10	8	7	1	9	-2	7	1	9.56	17.10	7.73
11	7	6	1	9	-2	7	0	8.25	15.07	6.82
12	6	5	1	9	-2	7	0	7.38	13.21	5.83
13	7	6	1	9	-2	7	1	7.77	13.38	5.61
14	8	7	1	9	-2	7	1	8.14	13.52	5.38

TAIL CHANGE FROM 2

15	9	8	1	9	-2	7	1	8.49	13.95	5.47
16	8	-1	1	17	-1	16	0	8.50	13.90	5.39
17	7	-2	0	16	0	16	0	8.51	13.84	5.33
18	6	-3	0	16	0	16	0	8.51	13.78	5.27
19	5	-4	0	16	0	16	0	8.52	13.73	5.21
20	4	-5	0	16	0	16	0	8.52	13.67	5.15
21	3	-6	0	16	0	16	0	8.53	13.61	5.09
22	2	-7	0	16	0	16	0	8.55	13.49	4.94
23	3	-6	0	16	0	16	1	8.33	14.00	5.67
24	2	-7	0	16	0	16	0	8.41	13.86	5.44
25	1	-8	0	16	0	16	0	8.50	13.72	5.22
26	0	-9	0	16	0	16	0	8.52	13.57	5.05
27	-1	-1	-1	14	0	14	0	8.42	13.26	4.84
28	-2	-1	-1	12	0	12	0	8.01	12.67	4.67
29	-1	1	-1	10	0	10	1	8.17	12.75	4.58

30	0	2	0	10	0	10	1	8,36	12,82	4,46
31	1	3	0	10	0	10	1	8,52	12,88	4,36
32	0	-2	1	12	0	12	0	8,17	12,37	4,20
33	1	4	-1	10	0	10	1	8,35	12,40	4,05
34	2	-1	1	12	0	12	1	8,55	12,49	3,96
35	1	-2	0	12	0	12	0	8,23	12,22	3,99
36	0	-3	0	12	0	12	0	7,96	11,88	3,92
37	1	5	-1	10	0	10	1	8,10	11,94	3,84
38	0	-4	1	12	0	12	0	7,87	11,50	3,62

REQUIRED PRECISION ACHIEVED

6

1	1	1	0	6	0	6	1	5,85	17,44	13,58
2	0	-1	1	8	-1	7	0	2,41	14,07	11,66
3	1	1	-1	12	0	12	1	3,78	15,05	11,24
4	0	-2	1	9	-2	7	0	2,81	12,74	9,93
5	1	1	-1	10	0	10	1	3,55	13,10	9,55
6	2	-1	1	9	-2	7	1	4,67	13,63	8,96
7	1	-2	0	7	0	7	0	3,82	12,33	8,51
8	0	-3	0	7	0	7	0	3,18	11,43	8,25
9	1	2	-1	8	2	10	1	3,75	11,65	7,92
10	0	-4	1	9	-2	7	0	3,16	11,24	8,08
11	1	3	-1	8	2	10	1	3,67	11,36	7,69
12	2	-3	1	9	-2	7	1	4,57	11,50	6,93
13	3	-2	0	7	0	7	1	5,19	11,91	6,72
14	2	-3	0	7	0	7	0	4,71	11,41	6,70
15	1	-4	0	7	0	7	0	4,22	11,22	7,00
16	2	-3	0	7	0	7	1	4,83	11,33	6,50
17	1	-4	0	7	0	7	0	4,52	11,16	6,65
18	2	-3	0	7	0	7	1	4,94	11,28	6,33
19	1	-4	0	7	0	7	0	4,63	11,12	6,49
20	2	-3	0	7	0	7	1	5,05	11,23	6,18
21	3	-2	0	7	0	7	1	5,54	11,31	5,77
22	4	-1	0	7	0	7	1	5,78	11,38	5,60
23	5	0	0	7	0	7	1	6,02	11,44	5,42
24	6	1	1	9	-2	7	1	6,31	11,50	5,19

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59	1	3	0	12	0	12	1	6,91	11.41	4.51
60	0	-2	1	14	0	14	0	6,92	11.39	4.47
61	1	4	-1	12	0	12	1	7,12	11.43	4.31
62	0	-3	1	14	0	14	0	7,13	11.40	4.27
63	1	5	-1	12	0	12	1	7,38	11.44	4.06
64	0	-4	1	14	0	14	0	7,39	11.41	4.02
65	-1	4	-1	12	0	12	0	7,09	11.35	4,26
66	0	5	0.	12	0	12	1	7,33	11.38	4.06
67	1	6	0	12	0	12	1	7,53	11.41	3,88
68	0	-5	1	14	0	14	0	7,54	11.39	3,85
69	1	7	-1	12	0	12	1	7,63	11.42	3,79

REQUIRED PRECISION ACHIEVED

7

1	1	1	0	6	0	6	1	3,85	17.44	13,58
2	2	1	1	8	-1	7	1	5,30	17.72	12,42
3	3	2	1	9	-2	7	1	6,44	17.91	11,47
4	4	3	1	9	-2	7	1	7,54	18.03	10,50
5	3	2	1	9	-2	7	0	4,95	14.05	9,10
6	4	3	1	9	-2	7	1	5,67	14.25	8,58
7	3	2	1	9	-2	7	0	4,61	12,82	8,21
8	4	3	1	9	-2	7	1	5,16	13,13	7,97
9	5	4	1	9	-2	7	1	5,67	13,35	7,68
10	6	5	1	9	-2	7	1	6,04	13,52	7,48
11	7	6	1	9	-2	7	1	6,47	13,76	7,29
12	8	7	1	9	-2	7	1	6,93	13,93	7,00
				TAIL CHANGE FROM 2						
13	9	8	1	9	-2	7	1	7,52	14,06	6,54
14	8	-1	1	17	-1	16	0	7,60	14,01	6,41
15	7	-2	0	16	0	16	0	7,68	13,96	6,28
16	6	-3	0	16	0	16	0	7,76	13,91	6,15
17	5	-4	0	16	0	16	0	7,74	13,86	6,13
18	4	-5	0	16	0	16	0	7,71	13,81	6,10
19	3	-6	0	16	0	16	0	7,69	13,75	6,06
20	4	-5	0	16	0	16	1	7,79	13,94	6,15
21	3	-6	0	16	0	16	0	7,76	13,89	6,13

22	2	-7	0	16	0	16	0	7,74	13,84	6,10
23	1	-8	0	16	0	16	0	7,72	13,79	6,07
24	0	-9	0	16	0	16	0	7,69	13,72	6,03
25	1	1	-1	14	0	14	1	8,03	13,96	5,93
26	0	-10	1	16	0	16	0	8,00	13,91	5,91
27	-1	0	-1	14	0	14	0	7,75	13,56	5,82
28	-2	-1	0	14	0	14	0	7,50	13,38	5,88
29	-3	-1	-1	12	0	12	0	6,75	12,89	6,16
30	-2	1	-1	10	0	10	1	7,10	12,97	5,87
31	-1	2	0	10	0	10	1	7,51	13,04	5,53
32	-2	1	0	10	0	10	0	6,15	12,03	5,89
33	-1	2	0	10	0	10	1	6,40	12,14	5,75
34	0	3	0	10	0	10	1	6,67	12,24	5,57
35	1	4	0	10	0	10	1	6,94	12,32	5,38
36	2	0	1	12	0	12	1	7,34	12,49	5,15
37	3	0	1	14	0	14	1	7,61	12,71	5,10
38	2	-11	1	16	0	16	0	7,60	12,67	5,07
39	1	-12	0	16	0	16	0	7,60	12,63	5,03
40	0	-13	0	16	0	16	0	7,59	12,59	5,00
41	-1	-1	-1	14	0	14	0	7,40	12,41	5,02
42	-2	-1	-1	12	0	12	0	6,85	11,98	5,13
43	-1	5	-1	10	0	10	1	7,10	12,08	4,98
44	0	6	0	10	0	10	1	7,39	12,17	4,78
45	-1	5	0	10	0	10	0	6,48	11,31	4,83
46	0	6	0	10	0	10	1	6,66	11,37	4,71
47	1	7	0	10	0	10	1	6,85	11,42	4,57
48	2	0	1	12	0	12	1	7,40	11,67	4,27
49	3	0	1	14	0	14	1	7,58	11,90	4,32
50	2	-14	1	16	0	16	0	7,58	11,87	4,29
51	1	-15	0	16	0	16	0	7,57	11,83	4,26
52	0	-16	0	16	0	16	0	7,57	11,80	4,23
53	1	1	-1	14	0	14	1	7,68	12,00	4,32
54	0	-17	1	16	0	16	0	7,68	11,97	4,29
55	-1	0	-1	14	0	14	0	7,60	11,76	4,16
56	-2	-1	0	14	0	14	0	7,52	11,51	3,99

57	-1	1	-1	12	0	12	1	7,75	11.89	4.16
58	0	2	0	12	0	12	1	7,95	12.15	4.20
59	1	3	0	12	0	12	1	8,21	12.34	4.13
60	0	-2	1	14	0	14	0	8,09	12.22	4.13
61	-1	2	-1	12	0	12	0	7,87	11.81	3,94
62	-2	1	0	12	0	12	0	7,71	11.43	3.72

REQUIRED PRECISION ACHIEVED
8

1	1	1	0	6	0	6	1	3,85	17.44	13.58
2	2	1	1	8	-1	7	1	5,30	17.72	12.42
3	3	2	1	9	-2	7	1	6,44	17.91	11.47
4	4	3	1	9	-2	7	1	7.54	18.03	10.50
5	5	4	1	9	-2	7	1	8,46	18.12	9,66
6	6	5	1	9	-2	7	1	9,14	18.19	9,05
7	7	6	1	9	-2	7	1	9,78	18.24	8,46
8	8	7	1	9	-2	7	1	10,36	18,28	7,92
9	7	6	1	9	-2	7	0	7,49	14,65	7,16
10	8	7	1	9	-2	7	1	7,95	14,78	6,83
				TAIL CHANGE FROM 2						
11	9	8	1	9	-2	7	1	8,50	14,88	6,38
12	8	-1	1	17	-1	16	0	8,44	14,87	6,43
13	7	-2	0	16	0	16	0	8,38	14,86	6,48
14	6	-3	0	16	0	16	0	8,32	14,85	6,53
15	7	-2	0	16	0	16	1	8,55	14,89	6,36
16	6	-3	0	16	0	16	0	8,50	14,88	6,38
17	7	-2	0	16	0	16	1	8,65	14,91	6,26
18	6	-3	0	16	0	16	0	8,60	14,91	6,30
19	5	-4	0	16	0	16	0	8,56	14,90	6,33
20	4	-5	0	16	0	16	0	8,53	14,89	6,36
21	3	-6	0	16	0	16	0	8,49	14,88	6,39
22	2	-7	0	16	0	16	0	8,39	14,84	6,45
23	1	-8	0	16	0	16	0	8,29	14,79	6,50
24	0	-9	0	16	0	16	0	8,20	14,73	6,53
25	1	1	-1	14	0	14	1	8,65	14,92	6,28
26	0	-10	1	16	0	16	0	8,59	14,88	6,29

27	-1	0	-1	14	0	14	0	8.39	14.66	6.27
28	-2	-1	0	14	0	14	0	8.15	14.44	6.29
29	-1	1	-1	12	0	12	1	8.76	14.65	5.89
30	0	2	0	12	0	12	1	9.31	14.84	5.53
31	1	3	0	12	0	12	1	9.78	14.98	5.20
32	0	-2	1	14	0	14	0	9.62	14.81	5.20
33	1	4	-1	12	0	12	1	10.01	14.95	4.94
34	0	-3	1	14	0	14	0	9.85	14.78	4.94
35	-1	3	-1	12	0	12	0	9.16	14.24	5.09
36	0	4	0	12	0	12	1	9.61	14.34	4.73
37	-1	3	0	12	0	12	0	8.96	13.95	4.99
38	0	4	0	12	0	12	1	9.42	14.09	4.67
39	-1	3	0	12	0	12	0	8.83	13.60	4.77
40	0	4	0	12	0	12	1	9.19	13.80	4.60
41	-1	3	0	12	0	12	0	8.75	13.40	4.67
42	0	4	0	12	0	12	1	9.03	13.48	4.45
43	1	5	0	12	0	12	1	9.45	13.63	4.18
44	0	-4	1	14	0	14	0	9.30	13.48	4.18
45	-1	4	-1	12	0	12	0	8.85	13.29	4.46
46	-2	3	0	12	0	12	0	8.57	13.04	4.47
47	-1	4	0	12	0	12	1	8.76	13.16	4.40
48	0	5	0	12	0	12	1	9.01	13.25	4.24
49	1	6	0	12	0	12	1	9.37	13.33	3.96
50	0	-5	1	14	0	14	0	9.25	13.27	4.02
51	-1	5	-1	12	0	12	0	8.86	13.01	4.15
52	0	6	0	12	0	12	1	9.06	13.11	4.05
53	1	7	0	12	0	12	1	9.31	13.19	3.88
54	0	-6	1	14	0	14	0	9.21	13.12	3.92
55	1	8	-1	12	0	12	1	9.48	13.20	3.72

REQUIRED PRECISION ACHIEVED

1	1	1	0	6	0	1	3.85	17.44	13.58
2	2	1	1	8	1	1	5.30	17.72	12.42
3	3	2	1	9	1	1	6.92	18.04	11.13
4	2	1	1	9	2	0	5.21	16.15	10.94
5	1	0	1	9	2	0	4.18	14.34	10.16
6	2	1	1	9	2	1	5.32	14.99	9.67
7	3	2	1	9	2	1	6.11	15.37	9.26
8	4	3	1	9	2	1	6.89	15.76	8.87
9	3	2	1	9	2	0	6.04	14.66	8.62
10	2	1	1	9	2	0	5.58	13.37	7.79
11	1	0	1	9	2	0	5.06	12.27	7.21
12	2	1	1	9	2	1	5.65	12.83	7.18
13	1	0	1	9	2	0	5.28	11.90	6.62
14	2	1	1	9	2	1	5.71	12.36	6.64
15	1	0	1	9	2	0	5.50	11.51	6.01
16	2	1	1	9	2	1	5.76	12.05	6.28
17	1	0	1	9	2	0	5.58	11.41	5.83
18	2	1	1	9	2	1	5.82	11.63	5.81
19	3	2	1	9	2	1	6.13	12.01	5.86
20	4	3	1	9	2	1	6.56	12.28	5.72
21	5	4	1	9	2	1	6.84	12.49	5.65
22	4	3	1	9	2	0	6.51	11.84	5.33
23	3	2	1	9	2	0	6.07	11.39	5.32
24	2	1	1	9	2	0	5.80	11.20	5.41
25	3	2	1	9	2	1	6.04	11.50	5.26
26	2	1	1	9	2	0	5.80	11.12	5.32
27	3	2	1	9	2	1	6.03	11.22	5.20
28	2	1	1	9	2	0	5.80	11.03	5.23
29	3	2	1	9	2	1	6.01	11.15	5.15
30	4	3	1	9	2	1	6.31	11.24	4.93
31	5	4	1	9	2	1	6.59	11.31	4.72
32	4	3	1	9	2	0	6.29	11.17	4.89
33	5	4	1	9	2	1	6.56	11.25	4.68
34	4	3	1	9	2	0	6.26	11.10	4.84

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70	2	0	1	9	-2	7	0	7.04	10.99	3.95
71	3	1	1	9	-2	7	1	7.26	11.09	3.83
72	2	0	1	9	-2	7	0	7.05	10.95	3.90
73	3	1	1	9	-2	7	1	7.27	11.05	3.78

REQUIRED PRECISION ACHIEVED
10

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	-1	7	0	2.60	15.14	12.54
3	1	1	-1	12	0	12	1	3.78	16.15	12.37
4	2	0	1	9	-2	7	1	5.56	16.71	11.15
5	3	1	1	9	-2	7	1	6.82	17.05	10.23
6	4	2	1	9	-2	7	1	7.85	17.25	9.42
7	5	3	1	9	-2	7	1	8.68	17.39	8.72
8	4	2	1	9	-2	7	0	7.45	16.46	9.03
9	5	3	1	9	-2	7	1	8.09	16.76	8.67
10	6	4	1	9	-2	7	1	8.72	16.97	8.24
11	5	3	1	9	-2	7	0	7.75	15.75	8.00
12	4	2	1	9	-2	7	0	6.95	14.46	7.51
13	5	3	1	9	-2	7	1	7.58	14.87	7.30
14	6	4	1	9	-2	7	1	7.99	15.20	7.21
15	7	5	1	9	-2	7	1	8.52	15.42	6.91
16	8	6	1	9	-2	7	1	8.86	15.75	6.89
17	7	5	1	9	-2	7	0	8.22	14.76	6.54
18	6	4	1	9	-2	7	0	7.70	14.10	6.41
19	7	5	1	9	-2	7	1	8.02	14.29	6.27
20	6	4	1	9	-2	7	0	7.62	13.70	6.08
21	7	5	1	9	-2	7	1	7.89	13.96	6.07
22	8	6	1	9	-2	7	1	8.22	14.15	5.92

TAIL CHANGE FROM 2

23	9	7	1	9	-2	7	1	8.52	14.32	5.80
24	8	-1	1	17	-1	16	0	8.49	14.28	5.80
25	7	-2	0	16	0	16	0	8.42	14.24	5.81
26	8	-1	0	16	0	16	1	8.95	14.56	5.61
27	7	-2	0	16	0	16	0	8.90	14.48	5.59
28	6	-3	0	16	0	16	0	8.85	14.45	5.60

29	5	-4	0	16	0	16	0	8,80	14,41	5,61
30	4	-5	0	16	0	16	0	8,75	14,38	5,62
31	3	-6	0	16	0	16	0	8,71	14,34	5,63
32	2	-7	0	16	0	16	0	8,68	14,30	5,63
33	1	-8	0	16	0	16	0	8,64	14,26	5,62
34	0	-9	0	16	0	16	0	8,61	14,22	5,62
35	-1	-1	-1	14	0	14	0	8,53	14,06	5,53
36	0	2	-1	12	0	12	1	8,77	14,19	5,43
37	-1	1	0	12	0	12	0	8,31	13,56	5,24
38	0	2	0	12	0	12	1	8,61	13,80	5,19
39	1	3	0	12	0	12	1	8,83	13,98	5,15
40	2	0	1	14	0	14	1	9,18	14,24	5,06
41	1	-10	1	16	0	16	0	9,15	14,21	5,08
42	0	-11	0	16	0	16	0	9,08	14,17	5,10
43	1	1	-1	14	0	14	1	9,55	14,37	4,84
44	0	-12	1	16	0	16	0	9,51	14,35	4,84
45	1	2	-1	14	0	14	1	9,74	14,50	4,76
46	0	-13	1	16	0	16	0	9,71	14,48	4,77
47	1	3	-1	14	0	14	1	10,02	14,86	4,84
48	0	-14	1	16	0	16	0	9,98	14,80	4,82
49	-1	2	-1	14	0	14	0	9,85	14,50	4,65
50	-2	1	0	14	0	14	0	9,74	14,42	4,68
51	-3	0	0	14	0	14	0	9,65	14,33	4,68
52	-4	-1	0	14	0	14	0	9,55	14,16	4,61
53	-3	4	-1	12	0	12	1	9,69	14,24	4,55
54	-2	5	0	12	0	12	1	9,84	14,30	4,46
55	-1	6	0	12	0	12	1	10,02	14,35	4,33
56	0	7	0	12	0	12	1	10,25	14,39	4,17
57	-1	6	0	12	0	12	0	9,81	14,17	4,36
58	0	7	0	12	0	12	1	9,96	14,23	4,28
59	-1	6	0	12	0	12	0	9,67	13,90	4,23
60	0	7	0	12	0	12	1	9,78	14,01	4,23
61	1	8	0	12	0	12	1	9,91	14,10	4,18
62	0	-2	1	14	0	14	0	9,81	13,89	4,08
63	-1	7	-1	12	0	12	0	9,60	13,45	3,85

64	0	8	0	12	0	12	1	9,69	13,50	3,81
65	1	9	0	12	0	12	1	9,79	13,66	3,87
66	0	-3	1	14	0	14	0	9,72	13,46	3,74

REQUIRED PRECISION ACHIEVED
11

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,54	17,97	12,43
3	3	2	1	9	-2	7	1	6,98	18,27	11,29
4	2	1	1	9	-2	7	0	5,65	17,20	11,55
5	3	2	1	9	-2	7	1	6,80	17,49	10,69
6	2	1	1	9	-2	7	0	5,79	16,59	10,80
7	3	2	1	9	-2	7	1	6,75	17,00	10,26
8	4	3	1	9	-2	7	1	7,68	17,26	9,58
9	3	2	1	9	-2	7	0	6,75	16,47	9,73
10	4	3	1	9	-2	7	1	7,57	16,84	9,27
11	3	2	1	9	-2	7	0	6,77	16,10	9,33
12	2	1	1	9	-2	7	0	6,20	15,23	9,03
13	1	0	1	9	-2	7	0	5,76	14,29	8,53
14	2	1	1	9	-2	7	1	6,32	14,84	8,52
15	1	0	1	9	-2	7	0	5,90	13,98	8,08
16	0	-1	1	9	-2	7	0	5,60	13,32	7,72
17	1	1	-1	12	0	12	1	6,30	13,63	7,33
18	0	-2	1	9	-2	7	0	5,95	13,25	7,31
19	1	1	-1	10	0	10	1	6,37	13,34	6,97
20	0	-3	1	9	-2	7	0	6,02	13,07	7,04
21	1	2	-1	8	2	10	1	6,44	13,17	6,73
22	0	-4	1	9	-2	7	0	6,11	12,89	6,78
23	1	3	-1	8	2	10	1	6,51	13,01	6,50
24	2	-3	1	9	-2	7	1	6,77	13,20	6,42
25	1	-4	0	7	0	7	0	6,58	12,96	6,39
26	2	-3	0	7	0	7	1	6,85	13,14	6,31
27	1	-4	0	7	0	7	0	6,64	12,91	6,28
28	2	-3	0	7	0	7	1	6,89	13,10	6,20
29	1	-4	0	7	0	7	0	6,70	12,87	6,17
30	2	-3	0	7	0	7	1	6,95	13,05	6,10

31	3	-2	0	7	0	7	1	7,27	13,19	5,93
32	4	-1	0	7	0	7	1	7,58	13,31	5,73
33	3	-2	0	7	0	7	0	7,35	13,15	5,82
34	2	-3	0	7	0	7	0	7,07	12,97	5,91
35	1	-4	0	7	0	7	0	6,86	12,74	5,87
36	0	-5	0	7	0	7	0	6,70	12,46	5,76
37	1	4	-1	8	2	10	1	6,88	12,58	5,70
38	2	-4	1	9	-2	7	1	7,15	12,81	5,68
39	1	-5	0	7	0	7	0	6,94	12,53	5,60
40	0	-6	0	7	0	7	0	6,78	12,35	5,57
41	1	5	-1	8	2	10	1	6,96	12,43	5,48
42	2	-5	1	9	-2	7	1	7,20	12,62	5,43
43	1	-6	0	7	0	7	0	7,01	12,41	5,40
44	0	-7	0	7	0	7	0	6,85	12,24	5,38
45	-1	4	-1	8	2	10	0	6,59	11,46	5,07
46	0	5	0	10	0	10	1	6,58	11,53	4,95
47	1	6	0	10	0	10	1	6,70	11,69	4,99
48	0	-8	1	9	-2	7	0	6,61	11,47	4,86
49	1	7	-1	8	2	10	1	6,73	11,55	4,82
50	0	-9	1	9	-2	7	0	6,64	11,44	4,80
51	1	8	-1	8	2	10	1	6,76	11,48	4,72
52	2	-8	1	9	-2	7	1	6,90	11,68	4,78
53	1	-9	0	7	0	7	0	6,80	11,47	4,68
54	2	-8	0	7	0	7	1	6,94	11,67	4,72
55	3	-7	0	7	0	7	1	7,12	11,89	4,77
56	2	-8	0	7	0	7	0	6,98	11,65	4,66
57	3	-7	0	7	0	7	1	7,17	11,87	4,71
58	2	-8	0	7	0	7	0	7,03	11,63	4,61
59	3	-7	0	7	0	7	1	7,21	11,86	4,64
60	4	-6	0	7	0	7	1	7,45	12,03	4,59
61	5	-5	0	7	0	7	1	7,58	12,18	4,60
62	6	-4	0	7	0	7	1	7,68	12,29	4,61
63	5	-5	0	7	0	7	0	7,45	11,97	4,52
64	6	-4	0	7	0	7	1	7,65	12,14	4,49
65	7	-3	0	7	0	7	1	7,83	12,27	4,44

66	8	-2	0	7	0	7	1	8,05	12,36	4,31
67	9	-1	0	7	0	7	1	8,33	12,44	4,11
68	10	0	0	7	0	7	1	8,56	12,53	3,97
69	11	1	1	9	-2	7	1	8,69	12,71	4,02
70	10	0	1	9	-2	7	0	8,51	12,41	3,90
71	11	1	1	9	-2	7	1	8,62	12,48	3,85
72	12	2	1	9	-2	7	1	8,74	12,61	3,86
73	13	3	1	9	-2	7	1	8,88	12,76	3,88
74	14	4	1	9	-2	7	1	9,05	12,88	3,84
75	15	5	1	9	-2	7	1	9,25	12,98	3,74

REQUIRED PRECISION ACHIEVED
12

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	2	1	1	8	-1	7	1	5,82	17,89	12,07
3	1	0	1	9	-2	7	0	3,70	15,15	11,45
4	2	1	1	9	-2	7	1	5,28	15,71	10,43
5	1	0	1	9	-2	7	0	3,82	13,79	9,97
6	2	1	1	9	-2	7	1	5,29	14,40	9,12
7	3	2	1	9	-2	7	1	6,52	14,90	8,37
8	2	1	1	9	-2	7	0	5,49	13,43	7,95
9	3	2	1	9	-2	7	1	6,46	13,93	7,48
10	4	3	1	9	-2	7	1	7,12	14,29	7,17
11	5	4	1	9	-2	7	1	7,72	14,56	6,84
12	4	3	1	9	-2	7	0	7,01	13,49	6,47
13	5	4	1	9	-2	7	1	7,59	13,88	6,29
14	6	5	1	9	-2	7	1	7,95	14,16	6,21
15	5	4	1	9	-2	7	0	7,52	13,32	5,80
16	6	5	1	9	-2	7	1	7,81	13,47	5,67
17	5	4	1	9	-2	7	0	7,44	12,99	5,55
18	4	3	1	9	-2	7	0	6,92	12,36	5,44
19	5	4	1	9	-2	7	1	7,38	12,59	5,21
20	4	3	1	9	-2	7	0	6,92	12,11	5,19
21	3	2	1	9	-2	7	0	6,64	11,49	4,85
22	2	1	1	9	-2	7	0	6,33	11,29	4,96
23	1	0	1	9	-2	7	0	5,95	11,06	5,11

```
        24        2        1        1        9       -2        7        1     6.44   11.21    4.77
        25        3        2        1        9       -2        7        1     6.69   11.33    4.64
        26        4        3        1        9       -2        7        1     6.94   11.42    4.48
        27        5        4        1        9       -2        7        1     7.27   11.50    4.23
        28        4        3        1        9       -2        7        0     6.95   11.35    4.40
        29        3        2        1        9       -2        7        0     6.74   11.20    4.46
        30        4        3        1        9       -2        7        1     6.96   11.29    4.33
        31        5        4        1        9       -2        7        1     7.26   11.37    4.11
        32        6        5        1        9       -2        7        1     7.54   11.44    3.89
        33        7        6        1        9       -2        7        1     7.66   11.50    3.83
        34        8        7        1        9       -2        7        1     7.79   11.76    3.97
        35        7        6        1        9       -2        7        0     7.65   11.44    3.79
REQUIRED PRECISION ACHIEVED
 13
         1        1        1        0        6        0        6        1     3.85   17.44   13.58
         2        0       -1        1        8       -1        7        0     2.59   14.24   11.65
         3       -1       -1       -1       12        0       12        0     2.02   11.97    9.95
         4        0        1       -1       10        0       10        1     2.92   12.57    9.65
         5        1        2        0       10        0       10        1     3.79   13.06    9.27
         6        2        0        1        9       -2        7        1     4.66   13.76    9.10
         7        3        1        1        9       -2        7        1     5.68   14.36    8.68
         8        4        2        1        9       -2        7        1     6.62   14.84    8.22
         9        5        2        1        9       -3        6        1     6.80   14.87    8.07
        10        6        3        1        8       -2        6        1     6.96   14.89    7.94
        11        5        2        1        8       -2        6        0     5.60   12.47    6.87
        12        6        3        1        8       -2        6        1     5.82   12.54    6.72
        13        7        4        1        8       -2        6        1     6.01   12.69    6.68
        14        8        5        1        8       -2        6        1     6.19   12.82    6.63
                                                TAIL CHANGE FROM 2
        15        9        6        1        8       -2        6        1     6.36   12.95    6.58
        16        8       -1        1       17       -1       16        0     6.34   12.79    6.44
        17        7       -2        0       16        0       16        0     6.32   12.62    6.30
        18        6       -3        0       16        0       16        0     6.30   12.49    6.19
        19        5       -4        0       16        0       16        0     6.28   12.45    6.17
        20        4       -5        0       16        0       16        0     6.26   12.41    6.15
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21	3	-6	0	16	0	16	0	6.25	12.38	6.13
22	2	-7	0	16	0	16	0	6.23	12.35	6.12
23	1	-8	0	16	0	16	0	6.21	12.31	6.11
24	0	-9	0	16	0	16	0	6.19	12.28	6.09
25	-1	-1	-1	14	0	14	0	6.03	12.11	6.08
26	0	0	-1	12	0	12	1	6.60	12.32	5.71
27	1	1	0	12	0	12	1	7.00	12.46	5.46
28	0	-2	1	14	0	14	0	6.88	12.34	5.46
29	-1	0	-1	12	0	12	0	6.54	11.98	5.44
30	0	1	0	12	0	12	1	6.88	12.18	5.30
31	-1	0	0	12	0	12	0	6.57	11.75	5.18
32	-2	-1	0	12	0	12	0	6.16	11.38	5.21
33	-1	3	-1	10	0	10	1	6.45	11.43	4.98
34	-2	2	0	10	0	10	0	5.86	11.11	5.24
35	-1	3	0	10	0	10	1	6.06	11.18	5.12
36	0	4	0	10	0	10	1	6.30	11.25	4.95
37	1	5	0	10	0	10	1	6.53	11.31	4.78
38	2	0	1	12	0	12	1	6.75	11.41	4.66
39	1	-3	1	14	0	14	0	6.70	11.37	4.67
40	2	-2	0	14	0	14	1	6.97	11.51	4.53
41	1	-3	0	14	0	14	0	6.92	11.46	4.54
42	0	-4	0	14	0	14	0	6.87	11.41	4.54
43	-1	-1	-1	12	0	12	0	6.68	11.25	4.57
44	0	6	-1	10	0	10	1	6.77	11.30	4.53
45	1	7	0	10	0	10	1	6.87	11.34	4.47
46	0	-2	1	12	0	12	0	6.70	11.18	4.48
47	-1	6	-1	10	0	10	0	6.51	10.84	4.33
48	0	7	0	10	0	10	1	6.58	10.93	4.36
49	-1	6	0	10	0	10	0	6.22	10.47	4.25
50	-2	5	0	10	0	10	0	5.87	10.19	4.32
51	-1	6	0	10	0	10	1	5.90	10.22	4.32
52	0	7	0	10	0	10	1	5.94	10.26	4.33
53	1	8	0	10	0	10	1	5.97	10.30	4.33
54	0	-3	1	12	0	12	0	5.81	10.07	4.25
55	1	9	-1	10	0	10	1	5.84	10.11	4.27

56	0	-4	1	12	0	12	0	5.72	9.81	4.09
57	1	10	-1	10	0	10	1	5.74	9.87	4.13
58	2	-3	1	12	0	12	1	5.95	10.12	4.19
59	3	-2	0	12	0	12	1	6.18	10.29	4.11
60	4	-1	0	12	0	12	1	6.51	10.42	5.91
61	5	0	0	12	0	12	1	6.63	10.56	3.93
62	4	-5	1	14	0	14	0	6.60	10.49	3.89
63	3	-6	0	14	0	14	0	6.57	10.45	3.88
64	2	-7	0	14	0	14	0	6.54	10.42	3.88
65	1	-8	0	14	0	14	0	6.50	10.38	3.88
66	0	-9	0	14	0	14	0	6.40	10.35	3.95
67	-1	-1	-1	12	0	12	0	6.15	10.19	4.04
68	0	11	-1	10	0	10	1	6.18	10.22	4.03
69	1	12	0	10	0	10	1	6.22	10.25	4.03
70	0	-2	1	12	0	12	0	6.02	10.05	4.03
71	-1	11	-1	10	0	10	0	5.89	9.68	3.79

REQUIRED PRECISION ACHIEVED

14

1	1	1	0	6	0	6	1	3.75	17.44	13.69
2	0	0	1	8	-2	6	0	1.29	13.11	11.82
3	1	1	0	6	0	6	1	1.94	14.53	12.59
4	2	2	1	8	-2	6	1	2.73	15.33	12.60
5	3	3	1	8	-2	6	1	3.49	15.82	12.33
6	4	4	1	8	-2	6	1	3.89	16.15	12.26
7	5	5	1	8	-2	6	1	4.30	16.40	12.10
8	6	6	1	8	-2	6	1	4.63	16.60	11.96
9	7	7	1	8	-2	6	1	4.86	16.76	11.89
10	8	8	1	8	-2	6	1	5.10	16.89	11.79

TAIL CHANGE FROM 2

11	9	9	1	8	-2	6	1	5.35	17.00	11.66
12	8	-1	1	17	-1	16	0	5.30	16.77	11.47
13	7	-2	0	16	0	16	0	5.26	16.51	11.25
14	6	-3	0	16	0	16	0	5.22	16.24	11.02
15	5	-4	0	16	0	16	0	5.19	15.95	10.76
16	4	-5	0	16	0	16	0	5.16	15.62	10.46

17	3	-6	0	16	0	16	0	5,13	15,29	10,16
18	2	-7	0	16	0	16	0	5,10	14,96	9,85
19	1	-8	0	16	0	16	0	5,08	14,60	9,52
20	0	-9	0	16	0	16	0	5,05	14,22	9,16
21	1	1	-1	14	0	14	1	6,05	17,07	11,04
22	0	-10	1	16	0	16	0	5,99	16,86	10,88
23	-1	0	-1	14	0	14	0	5,71	14,57	8,85
24	-2	-1	0	14	0	14	0	5,56	12,89	7,33
25	-1	1	-1	12	0	12	1	6,21	13,69	7,48
26	0	2	0	12	0	12	1	6,76	14,53	7,77
27	1	3	0	12	0	12	1	7,27	15,22	7,95
28	0	-2	1	14	0	14	0	7,06	13,87	6,81
29	1	4	-1	12	0	12	1	7,59	14,39	6,79
30	0	-3	1	14	0	14	0	7,46	13,45	5,99
31	1	5	-1	12	0	12	1	7,81	13,89	6,08
32	0	-4	1	14	0	14	0	7,69	13,30	5,60
33	-1	4	-1	12	0	12	0	7,20	12,50	5,30
34	-2	3	0	12	0	12	0	6,77	12,23	5,46
35	-1	4	0	12	0	12	1	7,15	12,36	5,21
36	0	5	0	12	0	12	1	7,57	12,46	4,89
37	1	6	0	12	0	12	1	7,81	12,64	4,83
38	0	-5	1	14	0	14	0	7,73	12,46	4,73
39	1	7	-1	12	0	12	1	7,83	12,49	4,67
40	2	-4	1	14	0	14	1	8,18	13,00	4,82
41	1	-5	0	14	0	14	0	8,06	12,76	4,70
42	0	-6	0	14	0	14	0	7,96	12,50	4,54
43	1	8	-1	12	0	12	1	8,08	12,62	4,55
44	0	-7	1	14	0	14	0	7,94	12,46	4,53
45	1	9	-1	12	0	12	1	8,05	12,49	4,44
46	0	-8	1	14	0	14	0	7,91	12,43	4,51
47	1	10	-1	12	0	12	1	8,02	12,45	4,43
48	0	-9	1	14	0	14	0	7,89	12,39	4,49
49	1	11	-1	12	0	12	1	7,99	12,42	4,42
50	0	-10	1	14	0	14	0	7,88	12,35	4,48
51	1	12	-1	12	0	12	1	7,97	12,38	4,41

52	0	-11	1	14	0	14	0	7,86	12,32	4,46
53	-1	11	-1	12	0	12	0	7,64	12,17	4,53
54	-2	10	0	12	0	12	0	7,43	11,94	4,51
55	-1	11	0	12	0	12	1	7,53	12,01	4,48
56	0	12	0	12	0	12	1	7,59	12,07	4,48
57	-1	11	0	12	0	12	0	7,35	11,79	4,44
58	0	12	0	12	0	12	1	7,51	11,91	4,41
59	1	13	0	12	0	12	1	7,58	12,01	4,43
60	2	-10	1	14	0	14	1	7,78	12,19	4,40
61	1	-11	0	14	0	14	0	7,71	12,10	4,39
62	0	-12	0	14	0	14	0	7,64	12,00	4,36
63	1	14	-1	12	0	12	1	7,72	12,08	4,36
64	2	-11	1	14	0	14	1	7,95	12,23	4,27
65	1	-12	0	14	0	14	0	7,86	12,15	4,29
66	0	-13	0	14	0	14	0	7,78	12,06	4,28
67	1	15	-1	12	0	12	1	7,88	12,13	4,25
68	2	-12	1	14	0	14	1	8,16	12,26	4,10
69	1	-13	0	14	0	14	0	8,04	12,19	4,15
70	2	-12	0	14	0	14	1	8,37	12,30	3,93
71	3	-11	0	14	0	14	1	8,60	12,38	3,79

REQUIRED PRECISION ACHIEVED

15

1	1	1	0	6	0	6	1	3,75	17,44	13,69
2	2	2	1	8	-2	6	1	4,68	17,50	12,82
3	3	3	1	8	-2	6	1	5,30	17,57	12,27
4	4	4	1	8	-2	6	1	5,74	17,62	11,89
5	3	3	1	8	-2	6	0	3,49	15,82	12,33
6	4	4	1	8	-2	6	1	3,89	16,15	12,26
7	5	5	1	8	-2	6	1	4,30	16,40	12,10
8	6	6	1	8	-2	6	1	4,63	16,60	11,96
9	7	7	1	8	-2	6	1	4,99	17,07	12,08
10	6	6	1	8	-2	6	0	4,28	12,13	7,85
11	5	5	1	8	-2	6	0	3,76	11,16	7,41
12	6	6	1	8	-2	6	1	4,06	11,36	7,30
13	7	7	1	8	-2	6	1	4,47	11,53	7,06

14	6	6	1	8	-2	6	0	3.92	10.91	6.99
15	7	7	1	8	-2	6	1	4.23	11.12	6.88
16	8	8	1	8	-2	6	1	4.56	11.27	6.71
17	7	7	1	8	-2	6	0	4.08	10.68	6.60
18	8	8	1	8	-2	6	1	4.42	10.89	6.48
				TAIL CHANGE FROM 2						
19	9	9	1	8	-2	6	1	4.62	11.06	6.45
20	8	-1	1	17	-1	16	0	4.61	11.04	6.43
21	9	1	0	16	-1	15	1	5.15	11.59	6.46
22	8	0	1	17	-2	15	0	5.04	11.48	6.44
23	7	-1	1	17	-2	15	0	4.96	11.42	6.46
24	6	-2	0	15	0	15	0	4.88	11.35	6.47
25	7	-1	0	15	0	15	1	5.93	11.85	5.92
26	8	0	0	15	0	15	1	7.58	12.16	4.59
27	7	-1	1	17	-2	15	0	7.54	12.11	4.57
28	6	-2	0	15	0	15	0	7.48	12.06	4.57
29	5	-3	0	15	0	15	0	7.20	11.99	4.79
30	4	-4	0	15	0	15	0	6.96	11.92	4.97
31	5	-3	0	15	0	15	1	7.73	12.18	4.45
32	4	-4	0	15	0	15	0	7.69	12.13	4.44
33	3	-5	0	15	0	15	0	7.66	12.08	4.42
34	2	-6	0	15	0	15	0	7.63	12.03	4.40
35	3	-5	0	15	0	15	1	7.88	12.23	4.35
36	2	-6	0	15	0	15	0	7.84	12.19	4.35
37	1	-7	0	15	0	15	0	7.81	12.15	4.34
38	0	-8	0	15	0	15	0	7.77	12.10	4.33
39	-1	-1	-1	13	0	13	0	7.69	11.91	4.22
40	0	1	-1	11	0	11	1	7.75	12.04	4.29
41	1	2	0	11	0	11	1	7.82	12.13	4.32
42	2	0	1	13	0	13	1	8.16	12.28	4.12
43	3	-7	1	15	0	15	1	8.55	12.37	3.83
44	2	-8	0	15	0	15	0	8.52	12.35	3.84
45	1	-9	0	15	0	15	0	8.45	12.33	3.88
46	0	-10	0	15	0	15	0	8.37	12.31	3.94
47	-1	-1	-1	13	0	13	0	8.15	12.21	4.08

48	0	3	-1	11	0	11	1	8.27	12.27	4.00
49	1	4	0	11	0	11	1	8.44	12.32	3.88
50	2	0	1	13	0	13	1	8.69	12.40	3.70

REQUIRED PRECISION ACHIEVED

16

1	1	1	0	6	0	6	1	4.09	17.61	13.52
2	2	2	1	8	-2	6	1	5.38	17.83	12.45
3	3	3	1	8	-2	6	1	6.27	17.97	11.70
4	4	4	1	8	-2	6	1	6.91	18.08	11.17
5	5	5	1	8	-2	6	1	7.47	18.16	10.69
6	4	4	1	8	-2	6	0	5.45	15.37	9.93
7	3	3	1	8	-2	6	0	4.34	13.19	8.85
8	4	4	1	8	-2	6	1	4.81	13.42	8.61
9	5	5	1	8	-2	6	1	5.22	13.70	8.47
10	4	4	1	8	-2	6	0	4.54	12.31	7.77
11	5	5	1	8	-2	6	1	4.84	12.48	7.64
12	6	6	1	8	-2	6	1	5.16	12.75	7.59
13	7	7	1	8	-2	6	1	5.46	12.84	7.39
14	8	8	1	8	-2	6	1	5.64	12.93	7.28
				TAIL CHANGE FROM 2						
15	9	9	1	8	-2	6	1	5.81	13.00	7.19
16	10	1	1	17	-2	15	1	7.10	13.61	6.51
17	9	0	1	17	-2	15	0	6.91	13.42	6.51
18	8	-1	1	17	-2	15	0	6.75	13.30	6.54
19	9	0	0	15	0	15	1	7.03	13.48	6.45
20	8	-1	1	17	-2	15	0	6.88	13.36	6.47
21	7	-2	0	15	0	15	0	6.76	13.23	6.47
22	8	-1	0	15	0	15	1	7.03	13.41	6.38
23	7	-2	0	15	0	15	0	6.89	13.29	6.40
24	8	-1	0	15	0	15	1	7.19	13.45	6.27
25	7	-2	0	15	0	15	0	7.05	13.34	6.31
26	6	-3	0	15	0	15	0	6.90	13.23	6.33
27	5	-4	0	15	0	15	0	6.78	13.10	6.32
28	4	-5	0	15	0	15	0	6.67	12.95	6.28
29	5	-4	0	15	0	15	1	6.90	13.16	6.26

30	4	-5	0	15	0	0	6.81	13.05	6.25
31	3	-6	0	15	0	0	6.72	12.94	6.22
32	4	-5	0	15	0	1	7.00	13.17	6.17
33	3	-6	0	15	0	0	6.90	13.07	6.16
34	2	-7	0	15	0	0	6.81	12.96	6.15
35	3	-6	0	15	0	1	7.10	13.18	6.08
36	2	-7	0	15	0	0	7.00	13.08	6.08
37	1	-8	0	15	0	0	6.91	12.98	6.07
38	0	-9	0	15	0	0	6.82	12.88	6.06
39	-1	-1	-1	13	0	0	6.59	12.44	5.86
40	-2	-1	-1	11	0	0	5.98	11.56	5.58
41	-1	1	-1	10	1	1	6.08	11.66	5.58
42	0	2	0	10	0	1	6.19	11.76	5.57
43	1	3	0	10	0	1	6.30	11.85	5.54
44	2	1	1	12	0	1	6.57	12.04	5.47
45	1	-1	1	14	0	0	6.50	11.81	5.31
46	2	0	0	14	0	1	6.73	12.19	5.46
47	1	-10	1	16	-1	0	6.67	12.13	5.46
48	2	-9	0	15	0	1	6.87	12.28	5.40
49	1	-10	0	15	0	0	6.81	12.22	5.41
50	2	-9	0	15	0	1	7.02	12.35	5.33
51	1	-10	0	15	0	0	6.95	12.30	5.35
52	2	-9	0	15	0	1	7.18	12.42	5.24
53	1	-10	0	15	0	0	7.10	12.37	5.27
54	0	-11	0	15	0	0	7.03	12.32	5.29
55	-1	-2	-1	13	0	0	6.81	12.05	5.24
56	0	0	-1	11	0	1	7.04	12.21	5.17
57	-1	-1	0	11	0	0	6.64	11.44	4.79
58	0	4	-1	9	1	1	6.69	11.46	4.77
59	1	5	0	10	0	1	6.74	11.48	4.74
60	0	0	1	12	0	0	6.52	11.32	4.80
61	-1	-1	0	12	0	0	6.14	11.14	5.00
62	0	6	-1	10	0	1	6.22	11.17	4.96
63	1	7	0	10	0	1	6.30	11.20	4.91
64	2	0	1	12	0	1	6.55	11.27	4.74

65	1	-1	1	14	0	14	0	6.46	11.21	4.75
66	2	0	0	14	0	14	1	6.65	11.34	4.69
67	3	-10	1	16	-1	15	1	6.81	11.39	4.58
68	2	-11	0	15	0	15	0	6.76	11.37	4.61
69	1	-12	0	15	0	15	0	6.73	11.36	4.63
70	0	-13	0	15	0	15	0	6.70	11.34	4.64
71	-1	-3	-1	13	0	13	0	6.59	11.25	4.66
72	0	0	-1	11	0	11	1	6.74	11.31	4.57
73	1	1	0	11	0	11	1	6.92	11.37	4.45
74	0	-4	1	13	0	13	0	6.77	11.28	4.51
75	1	2	-1	11	0	11	1	6.95	11.34	4.39
76	0	-5	1	13	0	13	0	6.80	11.25	4.44
77	1	3	-1	11	0	11	1	6.98	11.31	4.33
78	2	-4	1	13	0	13	1	7.51	11.44	3.93
79	3	-3	0	13	0	13	1	7.72	11.68	5.96
80	2	-4	0	13	0	13	0	7.68	11.50	3.81
81	1	-5	0	13	0	13	0	7.64	11.46	3.81
82	0	-6	0	13	0	13	0	7.61	11.42	3.81
83	1	4	-1	11	0	11	1	7.69	11.46	3.77

REQUIRED PRECISION ACHIEVED
17

1	1	1	0	6	0	6	1	5.24	17.42	14.18
2	2	2	1	8	-2	6	1	4.14	17.47	13.33
3	3	3	1	8	-2	6	1	4.98	17.52	12.53
4	4	4	1	8	-2	6	1	5.68	17.56	11.88
5	5	5	1	8	-2	6	1	6.16	17.59	11.44
6	6	6	1	8	-2	6	1	6.57	17.62	11.04
7	5	5	1	8	-2	6	0	3.16	16.74	13.58
8	6	6	1	8	-2	6	1	3.74	16.96	13.21
9	7	7	1	8	-2	6	1	4.29	17.12	12.83
10	8	8	1	8	-2	6	1	4.74	17.25	12.51
				TAIL CHANGE FROM 2						
11	9	9	1	8	-2	6	1	5.12	17.35	12.23
12	8	-1	1	17	-2	15	0	4.98	15.94	10.95
13	7	-2	0	15	0	15	0	4.90	12.93	8.03

14	6	-3	0	15	0	15	0	4.84	12.44	1	7.60
15	5	-4	0	15	0	15	0	4.79	12.25	1	7.46
16	4	-5	0	15	0	15	0	4.74	12.11	1	7.37
17	3	-6	0	15	0	15	0	4.71	11.99	1	7.29
18	4	-5	0	15	0	15	1	5.17	12.54	1	7.37
19	3	-6	0	15	0	15	0	5.09	12.39	1	7.30
20	2	-7	0	15	0	15	0	5.03	12.28	1	7.26
21	1	-8	0	15	0	15	0	4.97	12.19	1	7.23
22	0	-9	0	15	0	15	0	4.91	12.11	1	7.19
25	1	1	-1	13	0	13	1	5.50	12.78	1	7.28
24	0	-10	1	15	0	15	0	5.39	12.66	1	7.27
25	-1	0	-1	13	0	13	0	5.21	12.36	1	7.16
26	-2	-1	0	13	0	13	0	5.07	12.16	1	7.09
27	-1	1	-1	11	0	11	1	5.65	12.33	1	6.69
28	0	2	0	11	0	11	1	5.96	12.46	1	6.50
29	1	3	0	11	0	11	1	6.30	12.62	1	6.32
30	0	-2	1	13	0	13	0	6.15	12.42	1	6.27
31	1	4	-1	11	0	11	1	6.50	12.50	1	6.00
32	0	-3	-1	13	0	13	0	6.33	12.39	1	6.06
33	1	5	-1	11	0	11	1	6.63	12.46	1	5.83
34	0	-4	1	13	0	13	0	6.51	12.37	1	5.86
35	1	6	-1	11	0	11	1	6.78	12.43	1	5.66
36	2	-3	1	13	0	13	1	7.55	12.82	1	5.27
37	1	-4	0	13	0	13	0	7.35	12.59	1	5.23
38	0	-5	0	13	0	13	0	7.13	12.45	1	5.31
39	1	7	-1	11	0	11	1	7.54	12.49	1	4.95
40	0	-6	1	13	0	13	0	7.35	12.42	1	5.08
41	1	8	-1	11	0	11	1	7.64	12.46	1	4.82
42	2	-5	1	13	0	13	1	8.18	12.82	1	4.65
43	3	-4	0	13	0	13	1	8.78	13.09	1	4.31
44	2	-5	0	13	0	13	0	8.62	12.97	1	4.35
45	1	-6	0	13	0	13	0	8.49	12.81	1	4.32
46	0	-7	0	13	0	13	0	8.27	12.59	1	4.33
47	-1	7	-1	11	0	11	0	7.63	12.34	1	4.71
48	0	8	0	11	0	11	1	7.83	12.39	1	4.56

49	1	9	0	11	0	11	1	8.05	12.43	4.38
50	2	-6	1	13	0	13	1	8.59	12.66	4.07
51	1	-7	0	13	0	13	0	8.48	12.48	4.00
52	0	-8	0	13	0	13	0	8.30	12.43	4.13
53	1	10	-1	11	0	11	1	8.55	12.46	3.91
54	0	-9	1	13	0	13	0	8.42	12.41	3.99
55	1	11	-1	11	0	11	1	8.65	12.45	3.80

REQUIRED PRECISION ACHIEVED

18

1	1	1	0	6	0	6	1	3.24	17.42	14.18
2	2	2	1	8	-2	6	1	4.14	17.47	13.33
3	3	3	1	8	-2	6	1	4.98	17.52	12.53
4	4	4	1	8	-2	6	1	5.68	17.56	11.88
5	5	5	1	8	-2	6	1	6.16	17.59	11.44
6	6	6	1	8	-2	6	1	6.87	17.73	10.86
7	7	7	1	8	-2	6	1	7.49	17.83	10.34
8	8	8	1	8	-2	6	1	7.91	17.91	10.00

TAIL CHANGE FROM 2

9	9	9	1	8	-2	6	1	8.35	17.97	9.62
10	8	-1	1	17	-2	15	0	7.96	17.27	9.31
11	7	-2	0	15	0	15	0	7.72	16.66	8.95
12	6	-3	0	15	0	15	0	7.55	16.17	8.62
13	5	-4	0	15	0	15	0	7.36	15.68	8.32
14	6	-3	0	15	0	15	1	8.25	16.51	8.26
15	5	-4	0	15	0	15	0	8.00	16.19	8.19
16	4	-5	0	15	0	15	0	7.81	15.81	8.00
17	3	-6	0	15	0	15	0	7.67	15.43	7.76
18	2	-7	0	15	0	15	0	7.56	15.19	7.63
19	1	-8	0	15	0	15	0	7.43	14.91	7.48
20	0	-9	0	15	0	15	0	7.29	14.58	7.30
21	-1	-1	-1	13	0	13	0	6.96	14.06	7.09
22	-2	-1	-1	11	0	11	0	6.35	13.09	6.74
23	-1	1	-1	9	1	10	1	6.50	13.15	6.65
24	0	2	0	10	0	10	1	6.58	13.20	6.62
25	1	3	0	10	0	10	1	6.65	13.24	6.59

26	2	1	1	12	0	1	6.89	13.35	6.46
27	3	1	1	14	0	1	7.53	13.72	6.19
28	2	-10	1	16	-1	0	7.45	13.51	6.07
29	1	-11	0	15	0	0	7.34	13.44	6.10
30	0	-12	0	15	0	0	7.25	13.38	6.13
31	-1	-2	-1	13	0	0	7.02	13.17	6.15
32	-2	-2	-1	11	0	0	6.52	12.45	5.94
33	-1	4	-1	10	1	1	6.59	12.49	5.90
34	0	5	0	10	0	1	6.67	12.57	5.90
35	-1	4	0	10	0	0	6.03	11.70	5.67
36	0	5	0	10	0	1	6.12	11.79	5.67
37	1	6	0	10	0	1	6.21	11.87	5.66
38	2	2	1	12	0	1	6.50	12.04	5.54
39	1	0	1	14	0	0	6.38	11.84	5.46
40	0	-13	1	16	-1	0	6.35	11.78	5.45
41	-1	-3	-1	13	0	0	6.22	11.53	5.30
42	-2	-3	-1	11	0	0	5.91	11.20	5.29
43	-1	7	-1	9	1	1	5.96	11.25	5.27
44	0	8	0	10	0	1	6.02	11.25	5.23
45	1	9	0	10	0	1	6.08	11.28	5.19
46	0	1	1	12	0	0	5.80	11.02	5.22
47	1	2	0	12	0	1	5.98	11.13	5.15
48	0	-1	1	14	0	0	5.95	11.04	5.11
49	1	3	-1	12	0	1	6.12	11.15	5.03
50	0	-2	1	14	0	0	6.05	11.05	5.01
51	1	4	-1	12	0	1	6.26	11.16	4.90
52	0	-3	1	14	0	0	6.18	11.07	4.89
53	1	5	-1	12	0	1	6.40	11.17	4.76
54	2	-2	1	14	0	1	6.61	11.32	4.72
55	1	-3	0	14	0	0	6.27	11.28	5.01
56	2	-2	0	14	0	1	6.51	11.30	4.79
57	1	-3	0	14	0	0	6.12	11.26	5.14
58	0	-4	0	14	0	0	5.85	11.21	5.38
59	1	6	-1	12	0	1	6.00	11.28	5.29
60	2	-3	1	14	0	1	6.18	11.30	5.12

61	1	-4	0	14	0	14	0	5.88	11.26	5.37
62	2	-3	0	14	0	14	1	6.04	11.28	5.23
63	3	-2	0	14	0	14	1	6.23	11.30	5.07
64	4	-1	0	14	0	14	1	6.46	11.32	4.86
65	3	-2	0	14	0	14	0	6.09	11.27	5.18
66	4	-1	0	14	0	14	1	6.28	11.29	5.01
67	5	0	0	14	0	14	1	6.51	11.31	4.80
68	4	-14	1	16	-1	15	0	6.47	11.29	4.83
69	5	-13	0	15	0	15	1	6.68	11.39	4.71
70	4	-14	0	15	0	15	0	6.66	11.38	4.72
71	3	-15	0	15	0	15	0	6.63	11.36	4.73
72	2	-16	0	15	0	15	0	6.61	11.35	4.74
73	1	-17	0	15	0	15	0	6.58	11.33	4.75
74	0	-18	0	15	0	15	0	6.56	11.32	4.75
75	-1	-4	-1	13	0	13	0	6.51	11.26	4.75
76	0	-2	-1	11	0	11	1	6.70	11.36	4.66
77	1	10	-1	9	1	10	1	6.76	11.37	4.61
78	0	5	1	12	0	12	0	6.53	11.22	4.69
79	1	6	0	12	0	12	1	6.66	11.28	4.62
80	2	1	1	14	0	14	1	6.77	11.29	4.53
81	1	-19	1	16	-1	15	0	6.74	11.28	4.54
82	2	-18	0	15	0	15	1	6.95	11.36	4.41
83	1	-19	0	15	0	15	0	6.92	11.35	4.43
84	0	-20	0	15	0	15	0	6.90	11.34	4.44
85	-1	-5	-1	13	0	13	0	6.85	11.28	4.45
86	0	-1	-1	11	0	11	1	7.04	11.37	4.33
87	1	11	-1	9	1	10	1	7.11	11.38	4.27
88	0	5	1	12	0	12	0	6.85	11.25	4.40
89	1	6	0	12	0	12	1	6.99	11.30	4.31
90	0	0	1	14	0	14	0	6.79	11.27	4.48
91	1	1	0	14	0	14	1	6.90	11.29	4.39
92	0	-21	1	16	-1	15	0	6.87	11.27	4.40
93	-1	-6	-1	13	0	13	0	6.81	11.22	4.41
94	0	0	-1	11	0	11	1	7.01	11.31	4.31
95	1	1	0	11	0	11	1	7.25	11.38	4.15

96	0	-7	1	13	0	13	0	7.15	11.34	4.19
97	1	2	-1	11	0	11	1	7.40	11.41	4.00
98	0	-8	1	13	0	13	0	7.30	11.37	4.07
99	1	3	-1	11	0	11	1	7.55	11.43	3.90
100	0	-9	1	13	0	13	0	7.48	11.39	3.92
101	1	4	-1	11	0	11	1	7.59	11.45	3.85
102	0	-10	1	13	0	13	0	7.55	11.42	3.86
103	1	5	-1	11	0	11	1	7.67	11.46	3.80

REQUIRED PRECISION ACHIEVED
19

1	1	1	0	6	0	6	1	4.07	17.56	13.50
2	2	2	1	8	-2	6	1	5.55	17.75	12.20
3	1	1	1	8	-2	6	0	2.69	13.86	11.17
4	2	2	1	8	-2	6	1	3.83	14.31	10.48
5	3	3	1	8	-2	6	1	4.74	14.82	10.08
6	4	4	1	8	-2	6	1	5.51	15.49	9.98
7	5	5	1	8	-2	6	1	6.01	15.94	9.93
8	6	6	1	8	-2	6	1	6.55	16.28	9.73
9	7	7	1	8	-2	6	1	6.89	16.53	9.64
10	8	8	1	8	-2	6	1	7.26	16.73	9.47
11	7	7	1	8	-2	6	0	6.02	13.38	7.36
12	8	8	1	8	-2	6	1	6.43	13.56	7.14
				TAIL CHANGE FROM 2						
13	9	9	1	8	-2	6	1	6.68	13.77	7.09
14	8	-1	1	17	-2	15	0	6.65	13.46	6.83
15	7	-2	0	15	0	15	0	6.59	13.29	6.70
16	8	-1	0	15	0	15	1	6.95	14.05	7.10
17	9	0	0	15	0	15	1	7.54	15.85	8.31
18	8	-1	1	17	-2	15	0	7.43	14.43	7.00
19	7	-2	0	15	0	15	0	7.31	14.23	6.92
20	6	-3	0	15	0	15	0	7.21	14.06	6.84
21	5	-4	0	15	0	15	0	7.13	13.89	6.76
22	4	-5	0	15	0	15	0	7.06	13.72	6.66
23	3	-6	0	15	0	15	0	6.99	13.53	6.54
24	2	-7	0	15	0	15	0	6.90	13.40	6.50

25	3	-6	0	15	0	15	1	7,78	13,99	6,21
26	2	-7	0	15	0	15	0	7,69	13,87	6,18
27	1	-8	0	15	0	15	0	7,61	13,72	6,12
28	0	-9	0	15	0	15	0	7,53	13,56	6,03
29	-1	-1	-1	13	0	13	0	7,33	13,22	5,89
30	0	1	-1	11	0	11	1	7,64	13,39	5,74
31	-1	0	0	11	0	11	0	7,12	12,62	5,51
32	0	1	0	11	0	11	1	7,48	12,91	5,43
33	1	2	0	11	0	11	1	7,70	13,12	5,41
34	0	-2	1	13	0	13	0	7,60	12,80	5,21
35	-1	1	-1	11	0	11	0	7,14	12,29	5,14
36	-2	0	0	11	0	11	0	6,82	11,81	4,99
37	-1	1	0	11	0	11	1	7,03	12,03	4,99
38	0	2	0	11	0	11	1	7,30	12,19	4,89
39	-1	1	0	11	0	11	0	6,96	11,69	4,73
40	0	2	0	11	0	11	1	7,18	11,92	4,74
41	1	3	0	11	0	11	1	7,46	12,09	4,63
42	0	-3	1	13	0	13	0	7,34	11,97	4,63
43	1	4	-1	11	0	11	1	7,44	12,01	4,57
44	0	-4	1	13	0	13	0	7,33	11,87	4,55
45	1	5	-1	11	0	11	1	7,42	11,92	4,49
46	2	-3	1	13	0	13	1	7,71	12,20	4,50
47	1	-4	0	13	0	13	0	7,64	12,10	4,46
48	0	-5	0	13	0	13	0	7,58	11,99	4,41
49	1	6	-1	11	0	11	1	7,63	12,03	4,40
50	0	-6	1	13	0	13	0	7,57	11,91	4,34
51	-1	5	-1	11	0	11	0	7,17	11,49	4,32
52	-2	4	0	11	0	11	0	6,85	11,35	4,50
53	-1	5	0	11	0	11	1	6,90	11,37	4,47
54	-2	4	0	11	0	11	0	6,67	11,17	4,50
55	-1	5	0	11	0	11	1	6,71	11,20	4,49
56	0	6	0	11	0	11	1	6,75	11,23	4,48
57	1	7	0	11	0	11	1	6,80	11,26	4,46
58	0	-7	1	13	0	13	0	6,76	11,20	4,44
59	1	8	-1	11	0	11	1	6,80	11,23	4,42

60	0	-8	1	13	0	13	0	6,76	11,17	4,40
61	1	9	-1	11	0	11	1	6,81	11,20	4,39
62	2	-7	1	13	0	13	1	7,04	11,37	4,32
63	1	-8	0	13	0	13	0	6,99	11,32	4,33
64	2	-7	0	13	0	13	1	7,30	11,45	4,15
65	3	-6	0	13	0	13	1	7,60	11,76	4,16
66	2	-7	0	13	0	13	0	7,56	11,62	4,07
67	3	-6	0	13	0	13	1	7,77	11,95	4,18
68	2	-7	0	13	0	13	0	7,71	11,85	4,14
69	1	-8	0	13	0	13	0	7,66	11,73	4,07
70	0	-9	0	13	0	13	0	7,61	11,59	3,98
71	-1	8	-1	11	0	11	0	7,30	11,41	4,11
72	0	9	0	11	0	11	1	7,38	11,43	4,04
73	1	10	0	11	0	11	1	7,47	11,44	3,97
74	0	-10	1	13	0	13	0	7,29	11,38	4,09
75	1	11	-1	11	0	11	1	7,37	11,40	4,03
76	0	-11	1	13	0	13	0	7,21	11,34	4,14
77	1	12	-1	11	0	11	1	7,28	11,36	4,08
78	2	-10	1	13	0	13	1	7,57	11,44	3,86
79	3	-9	0	13	0	13	1	7,76	11,53	3,77

REQUIRED PRECISION ACHIEVED
20

1	1	1	0	6	0	6	1	4,07	17,56	13,50
2	2	2	1	8	-2	6	1	5,55	17,75	12,20
3	3	3	1	8	-2	6	1	6,59	17,88	11,28
4	2	2	1	8	-2	6	0	3,83	14,31	10,48
5	3	3	1	8	-2	6	1	4,74	14,82	10,08
6	2	2	1	8	-2	6	0	3,35	12,00	8,65
7	1	1	1	8	-2	6	0	2,24	10,55	8,32
8	2	2	1	8	-2	6	1	2,95	10,99	8,04
9	3	3	1	8	-2	6	1	3,68	11,26	7,58
10	4	4	1	8	-2	6	1	4,49	11,45	6,96
11	5	5	1	8	-2	6	1	4,95	11,69	6,76
12	6	6	1	8	-2	6	1	5,48	11,90	6,42

13	7	7	1	8	-2	6	1	5.77	12.06	6.29
14	8	8	1	8	-2	6	1	6.09	12.19	6.10
				TAIL CHANGE FROM 2						
15	9	9	1	8	-2	6	1	6.46	12.28	5.82
16	8	-1	1	17	-2	15	0	6.37	12.20	5.83
17	7	-2	0	15	0	15	0	6.29	12.12	5.83
18	6	-3	0	15	0	15	0	6.22	12.04	5.82
19	5	-4	0	15	0	15	0	6.15	11.95	5.80
20	4	-5	0	15	0	15	0	6.09	11.87	5.78
21	3	-6	0	15	0	15	0	6.03	11.77	5.74
22	2	-7	0	15	0	15	0	5.98	11.68	5.69
23	1	-8	0	15	0	15	0	5.94	11.57	5.63
24	0	-9	0	15	0	15	0	5.90	11.48	5.58
25	-1	-1	-1	13	0	13	0	5.77	11.22	5.45
26	0	1	-1	11	0	11	1	5.84	11.29	5.45
27	1	2	0	11	0	11	1	5.92	11.36	5.44
28	0	-2	1	13	0	13	0	5.80	11.13	5.33
29	1	3	-1	11	0	11	1	5.87	11.20	5.33
30	2	-1	1	13	0	13	1	6.35	11.55	5.20
31	1	-2	0	13	0	13	0	6.16	11.33	5.17
32	2	-1	0	13	0	13	1	6.62	11.70	5.09
33	3	0	0	13	0	13	1	6.93	12.04	5.11
34	2	-10	1	15	0	15	0	6.88	11.99	5.10
35	1	-11	0	15	0	15	0	6.84	11.93	5.09
36	0	-12	0	15	0	15	0	6.80	11.86	5.06
37	-1	-1	-1	13	0	13	0	6.69	11.59	4.90
38	0	4	-1	11	0	11	1	6.75	11.66	4.92
39	1	5	0	11	0	11	1	6.80	11.73	4.93
40	0	-2	1	13	0	13	0	6.70	11.46	4.76
41	1	6	-1	11	0	11	1	6.75	11.50	4.75
42	0	-3	1	13	0	13	0	6.65	11.32	4.67
43	1	7	-1	11	0	11	1	6.70	11.37	4.67
44	2	-2	1	13	0	13	1	6.98	11.71	4.72
45	3	-1	0	13	0	13	1	7.35	12.01	4.66
46	2	-2	0	13	0	13	0	7.18	11.81	4.63

47	1	-3	0	13	0	13	0	7.04	11.55	4.51
48	0	-4	0	13	0	13	0	6.92	11.37	4.45
49	1	8	-1	11	0	11	1	6.99	11.44	4.45
50	0	-5	1	13	0	13	0	6.89	11.30	4.41
51	-1	7	-1	11	0	11	0	6.73	10.99	4.26
52	-2	6	0	11	0	11	0	6.57	10.61	4.04
53	-1	7	0	11	0	11	1	6.63	10.72	4.08
54	0	8	0	11	0	11	1	6.70	10.82	4.12
55	-1	7	0	11	0	11	0	6.54	10.46	3.92
56	0	8	0	11	0	11	1	6.61	10.52	3.91
57	1	9	0	11	0	11	1	6.67	10.64	3.97
58	0	-6	1	13	0	13	0	6.60	10.47	3.88
59	-1	8	-1	11	0	11	0	6.38	10.32	3.94
60	0	9	0	11	0	11	1	6.51	10.36	3.85
61	1	10	0	11	0	11	1	6.58	10.40	3.83
62	0	-7	1	13	0	13	0	6.51	10.33	3.81
63	1	11	-1	11	0	11	1	6.57	10.37	3.80
64	2	-6	1	13	0	13	1	6.76	10.51	3.75

REQUIRED PRECISION ACHIEVED
21

1	1	1	0	6	0	6	1	4.03	17.68	13.65
2	2	2	1	8	-2	6	1	5.68	17.94	12.26
3	3	3	1	8	-2	6	1	6.82	18.11	11.29
4	2	2	1	8	-2	6	0	5.26	17.32	12.06
5	3	3	1	8	-2	6	1	6.29	17.51	11.22
6	4	4	1	8	-2	6	1	7.07	17.76	10.69
7	5	5	1	8	-2	6	1	7.70	17.94	10.24
8	4	4	1	8	-2	6	0	6.64	17.21	10.56
9	5	5	1	8	-2	6	1	7.23	17.37	10.14
10	6	6	1	8	-2	6	1	7.71	17.50	9.79
11	5	5	1	8	-2	6	0	6.84	16.86	10.02
12	4	4	1	8	-2	6	0	6.04	16.00	9.96
13	5	5	1	8	-2	6	1	6.59	16.26	9.68
14	6	6	1	8	-2	6	1	6.99	16.47	9.48
15	7	7	1	8	-2	6	1	7.47	16.71	9.24

16	8	8	1	8	-2	6	1	7.74	16.92	9.17	
				TAIL CHANGE FROM 2							
17	9	9	1	8	-2	6	1	8.02	17.08	9.07	
18	8	-1	1	17	-2	15	0	7.81	16.55	8.74	
19	7	-2	0	15	0	15	0	7.67	16.14	8.47	
20	6	-3	0	15	0	15	0	7.55	15.69	8.13	
21	5	-4	0	15	0	15	0	7.42	15.26	7.84	
22	4	-5	0	15	0	15	0	7.24	14.81	7.57	
23	3	-6	0	15	0	15	0	7.10	14.40	7.30	
24	4	-5	0	15	0	15	1	7.95	15.52	7.57	
25	3	-6	0	15	0	15	0	7.85	15.21	7.38	
26	2	-7	0	15	0	15	0	7.73	14.84	7.11	
27	3	-6	0	15	0	15	1	8.11	15.41	7.29	
28	2	-7	0	15	0	15	0	7.94	15.00	7.06	
29	1	-8	0	15	0	15	0	7.80	14.51	6.72	
30	2	-7	0	15	0	15	1	8.18	15.13	6.95	
31	1	-8	0	15	0	15	0	8.01	14.71	6.70	
32	2	-7	0	15	0	15	1	8.46	15.23	6.77	
33	1	-8	0	15	0	15	0	8.25	14.87	6.62	
34	0	-9	0	15	0	15	0	8.08	14.47	6.39	
35	-1	-1	-1	13	0	13	0	7.80	13.95	6.15	
36	0	1	-1	11	0	11	1	7.90	14.07	6.17	
37	1	2	0	11	0	11	1	8.01	14.16	6.15	
38	0	-2	1	13	0	13	0	7.77	13.54	5.76	
39	1	3	-1	11	0	11	1	7.86	13.70	5.83	
40	0	-3	1	13	0	13	0	7.68	13.27	5.58	
41	1	4	-1	11	0	11	1	7.75	13.35	5.59	
42	0	-4	1	13	0	13	0	7.61	13.01	5.40	
43	-1	3	-1	11	0	11	0	7.36	12.36	5.00	
44	-2	2	0	11	0	11	0	7.03	11.97	4.93	
45	-1	3	0	11	0	11	1	7.13	12.06	4.92	
46	0	4	0	11	0	11	1	7.23	12.14	4.90	
47	-1	3	0	11	0	11	0	6.96	11.67	4.71	
48	0	4	0	11	0	11	1	7.05	11.79	4.74	
49	1	5	0	11	0	11	1	7.14	11.89	4.76	

50	2	-3	1	13	0	13	1	7.55	12.16	4.63
51	3	-2	0	13	0	13	1	7.69	12.34	4.65
52	2	-3	0	13	0	13	0	7.61	12.20	4.59
53	1	-4	0	13	0	13	0	7.54	12.03	4.49
54	0	-5	0	13	0	13	0	7.43	11.83	4.40
55	-1	4	-1	11	0	11	0	6.97	11.33	4.37
56	0	5	0	11	0	11	1	7.26	11.43	4.16
57	1	6	0	11	0	11	1	7.54	11.52	3.97
58	2	-4	1	13	0	13	1	7.67	11.86	4.19
59	1	-5	0	13	0	13	0	7.61	11.62	4.01
60	0	-6	0	13	0	13	0	7.56	11.46	3.90
61	1	7	-1	11	0	11	1	7.67	11.60	3.93
62	0	-7	1	13	0	13	0	7.61	11.46	3.85
63	1	8	-1	11	0	11	1	7.73	11.59	3.85
64	2	-6	1	13	0	13	1	7.89	11.88	3.98
65	1	-7	0	13	0	13	0	7.81	11.67	3.86
66	2	-6	0	13	0	13	1	7.99	11.93	3.94
67	1	-7	0	13	0	13	0	7.90	11.75	3.85
68	0	-8	0	13	0	13	0	7.82	11.51	3.70

REQUIRED PRECISION ACHIEVED
22

1	1	1	0	6	0	6	1	4.03	17.68	13.65
2	2	2	1	8	-2	6	1	5.68	17.94	12.26
3	1	1	1	8	-2	6	0	3.81	17.05	13.24
4	0	0	1	8	-2	6	0	2.55	15.80	13.25
5	1	1	0	6	0	6	1	3.70	16.31	12.61
6	2	2	1	8	-2	6	1	4.98	16.69	11.71
7	3	3	1	8	-2	6	1	5.90	16.99	11.09
8	4	4	1	8	-2	6	1	6.64	17.21	10.56
9	3	3	1	8	-2	6	0	5.67	16.33	10.66
10	2	2	1	8	-2	6	0	4.74	15.24	10.50
11	3	3	1	8	-2	6	1	5.55	15.65	10.12
12	2	2	1	8	-2	6	0	4.69	14.46	9.77
13	3	3	1	8	-2	6	1	5.38	14.95	9.57
14	4	4	1	8	-2	6	1	5.86	15.32	9.46

15	3	3	1	8	-2	6	0	5.26	14.32	9.06
16	4	4	1	8	-2	6	1	5.74	14.62	8.88
17	5	5	1	8	-2	6	1	6.14	15.01	8.87
18	6	6	1	8	-2	6	1	6.57	15.32	8.74
19	7	7	1	8	-2	6	1	6.88	15.58	8.70
20	8	8	1	8	-2	6	1	7.25	15.86	8.63
				TAIL CHANGE FROM 2						
21	9	9	1	8	-2	6	1	7.57	16.08	8.51
22	8	-1	1	17	-2	15	0	7.34	15.43	8.09
23	7	-2	0	15	0	15	0	7.09	14.90	7.81
24	6	-3	0	15	0	15	0	6.90	14.41	7.50
25	5	-4	0	15	0	15	0	6.75	14.15	7.40
26	6	-3	0	15	0	15	1	7.27	14.55	7.28
27	5	-4	0	15	0	15	0	7.06	14.29	7.23
28	6	-3	0	15	0	15	1	7.59	14.77	7.19
29	7	-2	0	15	0	15	1	7.95	15.33	7.40
30	8	-1	0	15	0	15	1	8.42	15.87	7.45
31	9	0	0	15	0	15	1	8.86	16.29	7.43
32	8	-1	1	17	-2	15	0	8.65	15.93	7.29
33	7	-2	0	15	0	15	0	8.48	15.47	7.00
34	6	-3	0	15	0	15	0	8.24	15.18	6.93
35	5	-4	0	15	0	15	0	8.06	14.83	6.76
36	4	-5	0	15	0	15	0	7.92	14.47	6.55
37	3	-6	0	15	0	15	0	7.80	14.32	6.52
38	2	-7	0	15	0	15	0	7.70	14.17	6.48
39	1	-8	0	15	0	15	0	7.61	14.02	6.41
40	0	-9	0	15	0	15	0	7.55	13.78	6.23
41	-1	-1	-1	13	0	13	0	7.28	13.25	5.97
42	0	1	-1	11	0	11	1	7.62	15.42	5.79
43	1	2	0	11	0	11	1	7.86	13.59	5.73
44	0	-2	1	13	0	13	0	7.70	13.22	5.52
45	1	3	-1	11	0	11	1	7.94	13.35	5.42
46	2	-1	1	13	0	13	1	8.37	13.67	5.31
47	1	-2	0	13	0	13	0	8.08	13.32	5.23
48	2	-1	0	13	0	13	1	8.55	13.54	5.01

49	1	-2	0	13	0	13	0	8,26	13,28	5,03
50	0	-3	0	13	0	13	0	8,05	13,00	4,97
51	1	4	-1	11	0	11	1	8,55	13,13	4,78
52	0	-4	1	13	0	13	0	8,12	12,82	4,70
53	-1	3	-1	11	0	11	0	7,75	12,25	4,52
54	0	4	0	11	0	11	1	7,90	12,36	4,46
55	1	5	0	11	0	11	1	8,15	12,44	4,32
56	2	-3	1	13	0	13	1	8,50	12,76	4,25
57	3	-2	0	13	0	13	1	8,65	13,05	4,42
58	4	-1	0	13	0	13	1	8,78	13,24	4,45
59	3	-2	0	13	0	13	0	8,66	13,02	4,36
60	2	-3	0	13	0	13	0	8,56	12,70	4,14
61	1	-4	0	13	0	13	0	8,44	12,43	3,99
62	0	-5	0	13	0	13	0	8,18	12,27	4,09
63	1	6	-1	11	0	11	1	8,49	12,36	3,87
64	2	-4	1	13	0	13	1	8,60	12,47	3,87
65	1	-5	0	13	0	13	0	8,55	12,34	3,81
66	0	-6	0	13	0	13	0	8,37	12,19	3,82
67	1	7	-1	11	0	11	1	8,54	12,28	3,74

REQUIRED PRECISION ACHIEVED

23

1	-1	-1	0	6	0	6	0	1,53	15,97	14,44
2	-2	-1	-1	12	0	12	0	1,01	12,36	11,35
3	-1	1	-1	10	0	10	1	1,05	12,60	11,55
4	0	2	0	10	0	10	1	1,10	12,82	11,72
5	1	3	0	10	0	10	1	1,16	13,02	11,86
6	2	0	1	8	-2	6	1	1,70	15,82	12,12
7	3	1	1	8	-2	6	1	2,61	14,48	11,87
8	4	2	1	8	-2	6	1	3,80	14,95	11,15
9	5	3	1	8	-2	6	1	5,05	15,23	10,18
10	6	4	1	8	-2	6	1	5,78	15,44	9,66
11	7	5	1	8	-2	6	1	6,39	15,69	9,30
12	8	6	1	8	-2	6	1	6,83	15,91	9,09
				TAIL CHANGE FROM 2						
13	9	7	1	8	-2	6	1	7,25	16,09	8,84

14	8	-1	1	17	-2	15	0	6.91	15.60	8.69
15	7	-2	0	15	0	15	0	6.64	15.24	8.61
16	6	-3	0	15	0	15	0	6.31	14.87	8.56
17	5	-4	0	15	0	15	0	5.95	14.41	8.46
18	4	-5	0	15	0	15	0	5.64	13.89	8.25
19	3	-6	0	15	0	15	0	5.35	13.41	8.06
20	2	-7	0	15	0	15	0	5.09	13.17	8.08
21	1	-8	0	15	0	15	0	4.90	12.91	8.02
22	0	-9	0	15	0	15	0	4.74	12.63	7.89
23	-1	-1	-1	13	0	13	0	4.52	12.12	7.59
24	0	1	-1	11	0	11	1	5.00	12.41	7.41
25	-1	0	0	11	0	11	0	4.58	11.44	6.86
26	-2	-1	0	11	0	11	0	4.05	10.91	6.86
27	-1	4	-1	9	1	10	1	4.12	10.97	6.85
28	0	5	0	10	0	10	1	4.19	11.02	6.83
29	1	6	0	10	0	10	1	4.27	11.06	6.80
30	2	0	1	12	0	12	1	4.61	11.21	6.60
31	1	-10	1	14	1	15	0	4.55	11.15	6.60
32	2	-9	0	15	0	15	1	4.93	11.31	6.38
33	1	-10	0	15	0	15	0	4.82	11.26	6.44
34	0	-11	0	15	0	15	0	4.72	11.21	6.49
35	1	0	-1	13	0	13	1	5.65	11.44	5.79
36	2	-10	1	15	0	15	1	6.25	11.58	5.33
37	3	-9	0	15	0	15	1	6.64	11.89	5.25
38	2	-10	0	15	0	15	0	6.57	11.76	5.18
39	1	-11	0	15	0	15	0	6.51	11.62	5.11
40	0	-12	0	15	0	15	0	6.36	11.49	5.14
41	1	1	-1	13	0	13	1	6.94	11.97	5.03*
42	0	0	1	15	-2	13	0	6.72	11.55	4.83
43	1	1	0	13	0	13	1	7.26	11.99	4.73
44	0	0	1	15	-2	13	0	7.00	11.61	4.61
45	1	1	0	13	0	13	1	7.53	12.00	4.46
46	0	0	1	15	-2	13	0	7.29	11.65	4.36
47	1	1	0	13	0	13	1	7.63	12.00	4.37

48	2	2	1	15	-2	13	1	7.85	12.24	4.38
49	1	1	1	15	-2	13	0	7.72	12.01	4.28
50	0	0	1	15	-2	13	0	7.62	11.70	4.08
51	-1	-1	0	13	0	13	0	7.56	11.48	3.92
52	0	0	-1	11	0	11	1	7.68	11.65	3.97
53	1	1	0	11	0	11	1	7.81	11.86	4.04
54	0	-2	1	13	0	13	0	7.73	11.60	3.87
55	1	2	-1	11	0	11	1	7.78	11.68	3.90
56	2	-1	1	13	0	13	1	7.91	11.89	3.98
57	1	-2	0	13	0	13	0	7.81	11.66	3.85
58	0	-3	0	13	0	13	0	7.73	11.48	3.75

REQUIRED PRECISION ACHIEVED
24

1	1	1	0	6	0	6	1	3.94	17.64	13.70
2	2	2	1	8	-2	6	1	5.21	17.88	12.66
3	1	1	1	8	-2	6	0	3.02	14.58	11.56
4	0	0	1	8	-2	6	0	1.98	12.65	10.67
5	1	1	0	6	0	6	1	2.77	13.06	10.29
6	2	2	1	8	-2	6	1	3.60	13.33	9.73
7	1	1	1	8	-2	6	0	2.67	12.20	9.53
8	2	2	1	8	-2	6	1	3.52	12.59	9.07
9	3	3	1	8	-2	6	1	4.14	12.89	8.75
10	4	4	1	8	-2	6	1	4.88	13.08	8.20
11	5	5	1	8	-2	6	1	5.63	13.21	7.58
12	6	6	1	8	-2	6	1	6.13	13.30	7.17
13	7	7	1	8	-2	6	1	6.62	13.36	6.75
14	8	8	1	8	-2	6	1	6.94	13.42	6.48
15	7	7	1	8	-2	6	0	5.90	12.70	6.80
16	8	8	1	8	-2	6	1	6.31	12.87	6.56

TAIL CHANGE FROM 2

17	9	9	1	8	-2	6	1	6.63	13.00	6.37
18	8	-1	1	17	-4	13	0	6.42	12.47	6.05
19	7	-2	0	13	0	13	0	6.14	12.11	5.97
20	6	-3	0	13	0	13	0	5.95	11.69	5.76
21	5	-4	0	13	0	13	0	5.77	11.36	5.59

22	6	-3	0	13	0	1	6.06	11.68	5.62
23	7	-2	0	13	0	1	6.47	12.04	5.56
24	6	-3	0	13	0	0	6.20	11.66	5.46
25	5	-4	0	13	0	0	6.00	11.38	5.38
26	6	-3	0	13	0	1	6.57	11.65	5.28
27	7	-2	0	13	0	1	6.65	11.98	5.35
28	8	-1	0	13	0	1	6.85	12.22	5.39
29	7	-2	0	13	0	0	6.70	11.96	5.26
30	6	-3	0	13	0	0	6.58	11.63	5.05
31	7	-2	0	13	0	1	6.76	11.94	5.18
32	6	-3	0	13	0	0	6.65	11.62	4.97
33	5	-4	0	13	0	0	6.55	11.40	4.85
34	6	-3	0	13	0	1	6.71	11.61	4.90
35	7	-2	0	13	0	1	6.88	11.90	5.02
36	6	-3	0	13	0	0	6.76	11.60	4.84
37	7	-2	0	13	0	1	6.95	11.95	5.02
38	6	-3	0	13	0	0	6.82	11.62	4.79
39	5	-4	0	13	0	0	6.74	11.40	4.66
40	4	-5	0	13	0	0	6.67	11.27	4.60
41	3	-6	0	13	0	0	6.61	11.13	4.52
42	2	-7	0	13	0	0	6.56	10.98	4.42
43	1	-8	0	13	0	0	6.52	10.81	4.29
44	0	-9	0	13	0	0	6.40	10.61	4.20
45	1	-8	-1	11	0	1	6.54	10.71	4.17
46	2	-7	1	13	0	1	6.62	10.94	4.31
47	3	-8	0	13	0	1	6.72	11.11	4.39
48	2	-9	0	13	0	0	6.67	10.98	4.31
49	1	-8	0	13	0	0	6.62	10.83	4.21
50	2	-9	0	13	0	1	6.71	11.02	4.31
51	1	-8	0	13	0	0	6.66	10.88	4.22
52	2	-9	0	13	0	1	6.76	11.05	4.29
53	1	-8	0	13	0	0	6.70	10.92	4.22
54	2	-9	0	13	0	1	6.81	11.09	4.28
55	1	-8	0	13	0	0	6.75	10.96	4.22
56	0	-9	0	13	0	0	6.69	10.82	4.13
		-10							

57	1	2	-1	11	0	11	1	6.76	10.89	4.12
58	0	-11	1	13	0	13	0	6.71	10.74	4.02
59	1	3	-1	11	0	11	1	6.78	10.81	4.03
60	2	-10	1	13	0	13	1	6.89	10.98	4.10
61	1	-11	0	13	0	13	0	6.82	10.85	4.03
62	0	-12	0	13	0	13	0	6.77	10.70	3.93
63	1	4	-1	11	0	11	1	6.84	10.77	3.94
64	0	-13	1	13	0	13	0	6.78	10.61	3.82
65	1	5	-1	11	0	11	1	6.85	10.69	3.84
66	0	-14	1	13	0	13	0	6.80	10.51	3.71

REQUIRED PRECISION ACHIEVED

25

1	1	1	0	6	0	6	1	4.05	17.57	13.52
2	2	2	1	8	-2	6	1	5.69	17.76	12.08
3	3	3	1	8	-2	6	1	6.81	17.89	11.08
4	4	4	1	8	-2	6	1	7.62	17.98	10.36
5	3	3	1	8	-2	6	0	4.89	15.86	10.97
6	4	4	1	8	-2	6	1	5.75	16.13	10.38
7	3	3	1	8	-2	6	0	4.38	14.21	9.83
8	4	4	1	8	-2	6	1	5.11	14.75	9.63
9	5	5	1	8	-2	6	1	5.71	15.23	9.52
10	6	6	1	8	-2	6	1	6.19	15.58	9.39
11	7	7	1	8	-2	6	1	6.63	15.85	9.21
12	6	6	1	8	-2	6	0	5.72	13.95	8.23
13	5	5	1	8	-2	6	0	5.00	11.87	6.87
14	4	4	1	8	-2	6	0	4.46	10.61	6.15
15	3	3	1	8	-2	6	0	3.92	10.11	6.20
16	2	2	1	8	-2	6	0	3.58	9.58	6.00
17	3	3	1	8	-2	6	1	3.90	9.85	5.95
18	4	4	1	8	-2	6	1	4.29	10.05	5.76
19	5	5	1	8	-2	6	1	4.64	10.20	5.55
20	6	6	1	8	-2	6	1	4.92	10.32	5.39
21	7	7	1	8	-2	6	1	5.20	10.39	5.18
22	8	8	1	8	-2	6	1	5.52	10.45	4.93

TAIL CHANGE FROM 2

23	9	9	1	8	-2	6	1	5.64	10.51	4.87
24	10	1	1	17	-4	13	1	5.78	11.04	5.27
25	9	0	1	15	-2	13	0	5.65	10.57	4.92
26	8	-1	1	15	-2	13	0	5.53	10.41	4.88
27	9	0	0	13	0	13	1	5.72	10.54	4.82
28	8	-1	1	15	-2	13	0	5.61	10.41	4.80
29	9	0	0	13	0	13	1	5.78	10.51	4.74
30	8	-1	1	15	-2	13	0	5.67	10.41	4.74
31	9	0	0	13	0	13	1	5.83	10.50	4.67
32	8	-1	1	15	-2	13	0	5.73	10.41	4.68
33	7	-2	0	13	0	13	0	5.64	10.32	4.68
34	6	-3	0	13	0	13	0	5.55	10.22	4.67
35	7	-2	0	13	0	13	1	5.69	10.33	4.64
36	8	-1	0	13	0	13	1	5.85	10.42	4.59
37	7	-2	0	13	0	13	0	5.74	10.34	4.59
38	8	-1	0	13	0	13	1	5.88	10.42	4.54
39	7	-2	0	13	0	13	0	5.79	10.34	4.55
40	8	-1	0	13	0	13	1	5.92	10.42	4.50
41	7	-2	0	13	0	13	0	5.85	10.35	4.52
42	8	-1	0	13	0	13	1	5.96	10.42	4.47
43	9	0	0	13	0	13	1	6.10	10.49	4.39
44	10	1	1	15	-2	13	1	6.28	10.69	4.41
45	11	2	1	15	-2	13	1	6.49	10.89	4.40
46	10	1	1	15	-2	13	0	6.32	10.68	4.36
47	9	0	1	15	-2	13	0	6.18	10.49	4.30
48	10	1	1	15	-2	13	1	6.37	10.67	4.30
49	11	2	1	15	-2	13	1	6.56	10.85	4.29
50	10	1	1	15	-2	13	0	6.42	10.66	4.24
51	11	1	1	15	-3	12	1	6.57	10.79	4.22
52	12	2	1	14	-2	12	1	6.79	10.94	4.15
53	13	3	1	14	-2	12	1	7.05	11.06	4.02
54	14	4	1	14	-2	12	1	7.34	11.17	3.82
55	15	5	1	14	-2	12	1	7.56	11.25	3.70

REQUIRED PRECISION ACHIEVED

1	1	1	0	6	0	6	1	3.90	17.61	13.71
2	2	2	1	8	-2	6	1	5.24	17.84	12.61
3	3	3	1	8	-2	6	1	6.21	18.00	11.79
4	2	2	1	8	-2	6	0	3.88	15.16	11.28
5	3	3	1	8	-2	6	1	4.73	15.38	10.65
6	2	2	1	8	-2	6	0	3.47	13.64	10.17
7	3	3	1	8	-2	6	1	4.09	14.04	9.95
8	4	4	1	8	-2	6	1	4.71	14.32	9.61
9	3	3	1	8	-2	6	0	3.86	12.49	8.63
10	4	4	1	8	-2	6	1	4.39	13.00	8.60
11	5	5	1	8	-2	6	1	4.89	13.35	8.46
12	4	4	1	8	-2	6	0	4.16	11.93	7.77
13	5	5	1	8	-2	6	1	4.66	12.26	7.60
14	6	6	1	8	-2	6	1	5.08	12.52	7.44
15	7	7	1	8	-2	6	1	5.55	12.91	7.36
16	6	6	1	8	-2	6	0	4.85	11.78	6.93
17	7	7	1	8	-2	6	1	5.27	12.07	6.80
18	6	6	1	8	-2	6	0	4.71	11.31	6.59
19	7	7	1	8	-2	6	1	5.04	11.44	6.39
20	6	6	1	8	-2	6	0	4.62	11.02	6.40
21	7	7	1	8	-2	6	1	4.89	11.18	6.29
22	8	8	1	8	-2	6	1	5.25	11.31	6.07
23	7	7	1	8	-2	6	0	4.79	10.91	6.13
24	8	8	1	8	-2	6	1	5.07	11.07	6.01
				TAIL CHANGE FROM 2						
25	9	9	1	8	-2	6	1	5.42	11.20	5.77
26	8	-1	1	17	-5	12	0	5.03	10.83	5.80
27	7	-2	0	12	0	12	0	4.77	10.38	5.61
28	6	-3	0	12	0	12	0	4.58	9.94	5.36
29	7	-2	0	12	0	12	1	4.85	10.27	5.43
30	6	-3	0	12	0	12	0	4.66	9.82	5.15
31	7	-2	0	12	0	12	1	4.92	10.17	5.25
32	6	-3	0	12	0	12	0	4.73	9.68	4.94
33	7	-2	0	12	0	12	1	4.98	10.05	5.07

34	8	-1	0	12	0	12	1	5.31	10.31	5.00
35	9	0	0	12	0	12	1	5.56	10.50	4.94
36	8	-1	1	14	-2	12	0	5.38	10.22	4.83
37	9	0	0	12	0	12	1	5.58	10.42	4.84
38	8	-1	1	14	-2	12	0	5.45	10.11	4.66
39	9	0	0	12	0	12	1	5.59	10.33	4.74
40	8	-1	1	14	-2	12	0	5.51	10.01	4.50
41	9	0	0	12	0	12	1	5.60	10.24	4.64
42	8	-1	1	14	-2	12	0	5.52	9.89	4.37
43	7	-2	0	12	0	12	0	5.30	9.46	4.16
44	8	-1	0	12	0	12	1	5.54	9.77	4.23
45	7	-2	0	12	0	12	0	5.37	9.42	4.05
46	8	-1	0	12	0	12	1	5.55	9.63	4.08
47	9	0	0	12	0	12	1	5.64	9.94	4.30
48	10	1	1	14	-3	11	1	5.70	10.06	4.37
49	11	2	1	13	-2	11	1	5.76	10.17	4.41
50	12	3	1	13	-2	11	1	5.83	10.26	4.43
51	11	2	1	13	-2	11	0	5.66	9.71	4.05
52	12	3	1	13	-2	11	1	5.72	9.86	4.14
53	13	4	1	13	-2	11	1	5.77	9.98	4.20
54	14	5	1	13	-2	11	1	5.84	10.08	4.25
55	15	6	1	13	-2	11	1	5.91	10.18	4.27
56	16	7	1	13	-2	11	1	5.98	10.26	4.28
57	17	8	1	13	-2	11	1	6.07	10.33	4.26
58	16	7	1	13	-2	11	0	5.85	9.89	4.05
59	15	6	1	13	-2	11	0	5.70	9.42	3.72

REQUIRED PRECISION ACHIEVED
27

1	1	1	0	6	0	6	1	3.85	17.63	13.78
2	2	2	1	8	-2	6	1	5.44	17.85	12.41
3	3	3	1	8	-2	6	1	6.51	17.96	11.44
4	4	4	1	8	-2	6	1	7.37	18.03	10.66
5	5	5	1	8	-2	6	1	8.11	18.09	9.97
6	6	6	1	8	-2	6	1	8.68	18.13	9.45
7	7	7	1	8	-2	6	1	9.05	18.17	9.12

8	6	6	1	8	-2	6	0	6.73	17.17	10.44
9	7	7	1	8	-2	6	1	7.22	17.25	10.04
10	8	8	1	8	-2	6	1	7.68	17.32	9.64
				TAIL CHANGE FROM 2						
11	9	9	1	8	-2	6	1	8.09	17.38	9.29
12	10	1	1	17	-6	11	1	8.45	17.43	8.98
13	11	2	1	13	-2	11	1	8.65	17.47	8.83
14	12	3	1	13	-2	11	1	8.82	17.53	8.71
15	13	4	1	13	-2	11	1	9.01	17.62	8.61
16	14	5	1	13	-2	11	1	9.21	17.70	8.49
17	15	6	1	13	-2	11	1	9.45	17.77	8.34
18	16	7	1	13	-2	11	1	9.59	17.83	8.24
19	17	1	1	13	-3	10	1	9.64	17.85	8.21
IMBALANCE LIMIT EXCEEDED										
28										
1	1	1	0	6	0	6	1	3.65	17.54	13.91
2	0	0	1	8	-2	6	0	1.65	14.98	13.35
3	1	1	0	6	0	6	1	2.22	15.64	13.42
4	2	2	1	8	-2	6	1	3.07	16.15	13.08
5	3	3	1	8	-2	6	1	4.12	16.47	12.35
6	4	4	1	8	-2	6	1	5.13	16.72	11.58
7	5	5	1	8	-2	6	1	6.06	16.90	10.84
8	6	6	1	8	-2	6	1	6.76	17.05	10.28
9	7	7	1	8	-2	6	1	7.25	17.13	9.90
10	8	8	1	8	-2	6	1	7.65	17.22	9.56
				TAIL CHANGE FROM 2						

11	9	9	1	8	-2	6	1	7.98	17.28	9.30
12	10	1	1	17	-7	10	1	8.10	17.31	9.20
13	11	2	1	12	-2	10	1	8.22	17.33	9.10
14	12	3	1	12	-2	10	1	8.35	17.35	8.99
15	13	4	1	12	-2	10	1	8.49	17.36	8.88
16	14	5	1	12	-2	10	1	8.56	17.38	8.82
17	15	6	1	12	-2	10	1	8.63	17.40	8.77
18	16	7	1	12	-2	10	1	8.70	17.41	8.72
19	17	8	1	12	-2	10	1	8.76	17.43	8.66

IMBALANCE LIMIT EXCEEDED
29

1	1	1	0	6	0	6	1	3.63	17.54	15.91
2	2	2	1	8	-2	6	1	5.04	17.73	12.68
3	3	3	1	8	-2	6	1	6.45	17.85	11.42
4	4	4	1	8	-2	6	1	7.30	17.94	10.64
5	5	5	1	8	-2	6	1	7.95	18.01	10.06
6	6	6	1	8	-2	6	1	8.62	18.12	9.50
7	7	7	1	8	-2	6	1	9.12	18.21	9.09
8	8	8	1	8	-2	6	1	9.60	18.27	8.67
9	7	7	1	8	-2	6	0	7.96	17.11	9.14
10	8	8	1	8	-2	6	1	8.51	17.34	8.84

TAIL CHANGE FROM 2

11	9	9	1	8	-2	6	1	8.81	17.52	8.71
12	10	1	1	17	-7	10	1	8.89	17.55	8.67
13	11	2	1	12	-2	10	1	8.97	17.58	8.62
14	12	3	1	12	-2	10	1	9.05	17.61	8.56
15	11	2	1	12	-2	10	0	7.05	14.66	7.63

RESPONSE POOL EMPTY

TT= 66
STEP SIZE= 2
ABILITY BAND= 5 INITIAL ESTIMATE= 10
INITIAL 75% LIMITS 6 TO 14

MAN NO. 1	ITEM NO.	R-W BALANCE O/ALL	LEVEL	MOVE DIRN	TAIL BAND LOCATION SOUGHT R	W	DIFF.	FOUND R	W	RESP	90 PERCENT LIMITS LOWER	UPPER	DIFF.
	1	1	1	0	6		0	6		1	3.85	17.44	13.58
	2	2	1	1	8		0	8		1	6.05	18.02	11.97
	3	1	-1	1	10		-1	9		0	4.47	15.61	11.14
	4	0	-2	0	9		0	9		0	3.65	13.81	10.15
	5	-1	-1	-1		12	0		12	0	2.89	12.06	9.17
	6	0	1	-1		10	0		10	1	3.75	12.32	8.57
	7	-1	0	0		10	0		10	0	2.53	10.65	8.12
	8	0	1	0		10	0		10	1	3.28	10.91	7.63
	9	1	2	0		10	0		10	1	3.80	11.09	7.29
	10	0	-3	1	11		-2	9		0	3.63	10.62	6.99
	11	-1	-1	-1		8	0		8	0	2.82	9.05	6.23
	12	-2	-2	-1		6	2		8	0	2.18	8.14	5.96
	13	-3	-3	-1		6	2		8	0	1.56	7.35	5.79
	14	-2	-2	-1		6	2		8	1	2.09	7.58	5.49
	15	-1	-1	-1		6	2		8	1	2.61	7.91	5.30
	16	0	0	-1		6	2		8	1	2.94	8.14	5.21
	17	1	1	0		8	0		8	1	3.40	8.32	4.93
	18	0	-4	1	11		-2	9		0	3.25	8.15	4.92
	19	1	2	-1		6	2		8	1	3.56	8.32	4.75
	20	0	-5	1	11		-2	9		0	3.52	8.15	4.63
	21	-1	1	-1		6	2		8	0	2.99	7.48	4.49
	22	-2	0	0		8	0		8	0	2.66	7.16	4.51
	23	-1	1	0		8	0		8	1	2.91	7.30	4.39
	24	0	2	0		8	0		8	1	3.25	7.40	4.15
	25	-1	1	0		8	0		8	0	2.85	7.11	4.27
	26	0	2	0		8	0		8	1	3.14	7.24	4.10
	27	1	1	0		8	1		9	1	3.37	7.28	3.91

28	0	-6	1	11	-2	9	0	3.26	7.19	3.93
29	1	2	-1	7	2	9	1	3.50	7.24	3.74

REQUIRED PRECISION ACHIEVED

2

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	0	8	0	2.70	14.19	11.48
3	-1	-1	-1	12	0	12	0	1.95	12.18	10.24
4	0	1	-1	10	0	10	1	2.94	12.48	9.55
5	1	2	0	10	0	10	1	3.78	12.80	9.02
6	0	-1	1	10	-1	9	0	3.50	11.96	8.45
7	1	1	-1	8	1	9	1	3.74	12.10	8.37
8	0	-2	1	11	-2	9	0	3.52	11.35	7.83
9	1	2	-1	7	2	9	1	3.72	11.47	7.75
10	0	-3	1	11	-2	9	0	3.55	10.91	7.37
11	1	3	-1	7	2	9	1	3.72	11.06	7.34
12	0	-4	1	11	-2	9	0	3.57	10.46	6.89
13	1	4	-1	7	2	9	1	3.72	10.61	6.89
14	0	-5	1	11	-2	9	0	3.60	10.19	6.60
15	1	5	-1	7	2	9	1	3.73	10.30	6.57
16	0	-6	1	11	-2	9	0	3.62	9.90	6.28
17	1	6	-1	7	2	9	1	3.74	10.03	6.29
18	0	-7	1	11	-2	9	0	3.64	9.56	5.92
19	-1	5	-1	7	2	9	0	3.00	8.53	5.53
20	-2	4	0	9	0	9	0	2.54	7.80	5.26
21	-1	5	0	9	0	9	1	2.68	7.95	5.27
22	0	6	0	9	0	9	1	2.83	8.07	5.24
23	1	7	0	9	0	9	1	3.01	8.18	5.17
24	0	-8	1	11	-2	9	0	2.92	7.94	5.02
25	1	8	-1	7	2	9	1	3.10	8.05	4.95
26	0	-9	1	11	-2	9	0	3.01	7.80	4.79
27	-1	1	-1	7	3	10	0	2.66	7.26	4.60
28	-2	0	0	10	0	10	0	2.39	6.65	4.26
29	-1	1	0	10	0	10	1	2.63	6.96	4.33
30	0	2	0	10	0	10	1	2.85	7.17	4.33
31	1	3	0	10	0	10	1	3.17	7.33	4.16

32	0	-10	1	11	-2	9	0	3.09	7.19	4.10
33	1	4	-1	8	2	10	1	3.51	7.32	3.82
34	0	-11	1	11	-2	9	0	3.42	7.20	3.78

REQUIRED PRECISION ACHIEVED

3

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	0	8	1	6.05	18.02	11.97
3	3	2	1	10	-2	8	1	7.86	18.28	10.42
4	4	3	1	10	-2	8	1	9.56	18.41	8.86
5	3	2	1	10	-2	8	0	7.09	16.40	9.31
6	2	1	1	10	-2	8	0	6.09	14.58	8.49
7	1	0	1	10	-2	8	0	5.38	13.75	8.36
8	0	-1	1	10	-2	8	0	4.87	13.14	8.27
9	1	1	-1	12	0	12	1	5.56	13.40	7.84
10	0	-2	1	10	-2	8	0	5.05	12.96	7.91
11	-1	-1	-1	10	0	10	0	3.88	11.47	7.58
12	-2	-2	-1	8	2	10	0	2.75	10.79	8.07
13	-3	-3	-1	8	2	10	0	1.71	9.87	8.16
14	-2	-2	-1	8	2	10	1	2.52	10.19	7.67
15	-1	-1	-1	8	2	10	1	3.18	10.48	7.30
16	0	0	-1	8	2	10	1	3.74	10.76	7.02
17	1	1	0	10	0	10	1	4.15	10.95	6.79
18	0	-3	1	10	-2	8	0	3.94	10.73	6.80
19	-1	0	-1	8	2	10	0	3.54	10.02	6.48
20	0	1	0	10	0	10	1	3.80	10.26	6.46
21	-1	0	0	10	0	10	0	3.52	9.46	5.93
22	-2	-1	0	10	0	10	0	2.94	8.88	5.95
23	-1	0	-1	8	2	10	1	3.52	9.17	5.65
24	0	1	0	10	0	10	1	3.68	9.36	5.69
25	1	2	0	10	0	10	1	3.85	9.51	5.65
26	2	-2	1	10	-2	8	1	4.22	9.86	5.64
27	1	-3	0	8	0	8	0	4.06	9.67	5.61
28	0	-4	0	8	0	8	0	3.94	9.48	5.55
29	-1	1	-1	8	2	10	0	3.72	9.10	5.38
30	-2	0	0	10	0	10	0	3.59	8.47	4.88

31	-3	-1	0	10	0	10	0	3,46	7,73	4,28
32	-2	0	-1	8	2	10	1	3,59	8,16	4,57
33	-1	1	0	10	0	10	1	3,65	8,42	4,77
34	0	2	0	10	0	10	1	3,72	8,69	4,97
35	1	3	0	10	0	10	1	3,81	8,93	5,11
36	0	-5	1	10	-2	8	0	3,75	8,75	5,00
37	1	4	-1	8	2	10	1	3,85	8,97	5,12
38	0	-6	1	10	-2	8	0	3,78	8,80	5,02
39	1	5	-1	8	2	10	1	3,89	9,01	5,12
40	0	-7	1	10	-2	8	0	3,82	8,85	5,04
41	-1	4	-1	8	2	10	0	3,68	8,16	4,47
42	0	5	0	10	0	10	1	3,76	8,38	4,63
43	1	6	0	10	0	10	1	3,86	8,62	4,76
44	0	-8	1	10	-2	8	0	3,79	8,42	4,63
45	1	7	-1	8	2	10	1	3,90	8,67	4,77
46	0	-9	1	10	-2	8	0	3,83	8,46	4,64
47	-1	6	-1	8	2	10	0	3,69	7,83	4,13
48	0	7	0	10	0	10	1	3,77	8,08	4,31
49	1	8	0	10	0	10	1	3,87	8,30	4,42
50	0	-10	1	10	-2	8	0	3,80	8,12	4,31
51	-1	7	-1	8	2	10	0	3,68	7,46	3,78

REQUIRED PRECISION ACHIEVED

4

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	0	-1	1	8	0	8	0	2,70	14,19	11,48
3	-1	-1	-1	12	0	12	0	1,95	12,18	10,24
4	-2	-1	-1	10	0	10	0	1,30	10,27	8,97
5	-1	0	-1	8	2	10	1	1,84	10,86	9,02
6	0	1	0	10	0	10	1	2,65	11,28	8,63
7	1	2	0	10	0	10	1	3,54	11,59	8,05
8	0	-2	1	10	-2	8	0	3,09	11,16	8,07
9	1	3	-1	8	2	10	1	3,82	11,40	7,59
10	0	-3	1	10	-2	8	0	3,56	11,05	7,50
11	-1	2	-1	8	2	10	0	2,67	10,14	7,47
12	-2	1	0	10	0	10	0	2,01	9,23	7,23

13	-3	0	0	10	0	10	0	1,62	8,21	6,60
14	-2	1	0	10	0	10	1	2,06	8,73	6,67
15	-1	2	0	10	0	10	1	2,64	9,16	6,52
16	-2	1	0	10	0	10	0	2,12	8,28	6,16
17	-1	2	0	10	0	10	1	2,66	8,69	6,03
18	-2	1	0	10	0	10	0	2,20	7,91	5,71
19	-3	0	0	10	0	10	0	1,83	7,24	5,41
20	-4	-1	0	10	0	10	0	1,60	6,63	5,03
21	-3	0	-1	8	2	10	1	1,91	7,06	5,15
22	-2	1	0	10	0	10	1	2,43	7,20	4,77
23	-1	2	0	10	0	10	1	2,72	7,31	4,59
24	0	3	0	10	0	10	1	3,00	7,39	4,39
25	-1	2	0	10	0	10	0	2,55	7,04	4,49
26	0	3	0	10	0	10	1	2,75	7,16	4,40
27	1	4	0	10	0	10	1	3,00	7,25	4,25
28	0	-4	1	10	-2	8	0	2,90	7,11	4,21
29	1	5	-1	8	2	10	1	3,17	7,20	4,02
30	2	-3	1	10	-2	8	1	3,52	7,45	3,93
31	1	-4	0	8	0	8	0	3,48	7,37	3,90
32	0	-5	0	8	0	8	0	3,37	7,29	3,92
33	-1	4	-1	8	2	10	0	2,81	6,97	4,15
34	0	5	0	10	0	10	1	3,04	7,07	4,04
35	1	6	0	10	0	10	1	3,33	7,16	3,83
36	0	-6	1	10	-2	8	0	3,25	7,06	3,81
37	1	7	-1	8	2	10	1	3,52	7,14	3,63

REQUIRED PRECISION ACHIEVED
5

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	0	-1	1	8	0	8	0	2,96	15,90	12,94
3	-1	-1	-1	12	0	12	0	2,03	12,47	10,44
4	-2	-1	-1	10	0	10	0	1,02	10,26	9,24
5	-1	0	-1	8	2	10	1	1,52	10,62	9,10
6	0	1	0	10	0	10	1	2,07	10,94	8,86
7	1	2	0	10	0	10	1	2,69	11,15	8,47
8	0	-2	1	10	-2	8	0	2,53	10,76	8,23

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79	1	5	0	11	0	11	1	4.06	8.06	4.00
80	2	1	1	10	-3	7	1	4.41	8.18	3.77

REQUIRED PRECISION ACHIEVED

6

1	-1	-1	0	6	0	6	0	0.87	14.10	13.23
2	-2	-1	-1	12	0	12	0	0.79	8.82	8.04
3	-3	-1	-1	10	1	11	0	0.72	7.25	6.53
4	-4	-2	-1	9	2	11	0	0.68	6.22	5.54
5	-3	-1	-1	9	2	11	1	0.79	7.31	6.52
6	-2	0	-1	9	2	11	1	1.09	8.40	7.31
7	-3	-1	0	11	0	11	0	0.96	7.73	6.77
8	-2	0	-1	9	2	11	1	1.52	8.57	7.05
9	-1	1	0	11	0	11	1	2.35	9.27	6.92
10	0	2	0	11	0	11	1	2.82	9.80	6.99
11	-1	1	0	11	0	11	0	2.66	9.27	6.61
12	0	2	0	11	0	11	1	3.00	9.72	6.72
13	1	3	0	11	0	11	1	3.49	10.11	6.62
14	0	-1	1	8	-1	7	0	2.96	9.37	6.40
15	1	4	-1	9	2	11	1	3.33	9.82	6.49
16	2	0	1	9	-2	7	1	3.74	10.10	6.37
17	1	-1	1	9	-2	7	0	3.50	9.42	5.92
18	0	2	0	7	0	7	0	3.04	8.49	5.45
19	-1	3	-1	9	2	11	0	2.92	8.05	5.13
20	-2	2	0	11	0	11	0	2.83	7.55	4.72
21	-3	1	0	11	0	11	0	2.75	7.33	4.57
22	-4	0	0	11	0	11	0	2.69	7.11	4.41
23	-3	1	0	11	0	11	1	2.83	7.38	4.54
24	-2	2	0	11	0	11	1	3.02	7.72	4.70
25	-3	1	0	11	0	11	0	2.92	7.42	4.49
26	-2	2	0	11	0	11	1	3.15	7.79	4.64
27	-1	3	0	11	0	11	1	3.30	7.98	4.68
28	0	4	0	11	0	11	1	3.49	8.14	4.65
29	1	5	0	11	0	11	1	3.55	8.28	4.73
30	0	-3	1	9	-2	7	0	3.23	7.46	4.23
31	1	6	-1	9	2	11	1	3.40	7.60	4.20

32	0	-4	1	9	-2	7	0	3,06	7,19	4,13
33	-1	5	-1	9	2	11	0	2,88	6,86	3,98
34	0	6	0	11	0	11	1	2,95	6,98	4,03
35	-1	5	0	11	0	11	0	2,81	6,56	3,74

REQUIRED PRECISION ACHIEVED

7

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	0	-1	1	8	-1	7	0	1,94	15,67	13,73
3	1	1	-1	12	0	12	1	3,04	16,78	13,74
4	0	-2	1	9	-2	7	0	1,79	13,75	11,94
5	1	1	-1	10	1	11	1	2,20	14,29	12,09
6	2	-1	1	9	-2	7	1	3,44	15,47	12,03
7	3	0	0	7	0	7	1	4,25	16,09	11,84
8	2	-1	1	9	-2	7	0	3,45	12,99	9,56
9	1	-2	0	7	0	7	0	2,54	10,54	8,00
10	0	-3	0	7	0	7	0	1,93	8,99	7,06
11	1	2	-1	9	2	11	1	2,24	9,36	7,13
12	2	-2	1	9	-2	7	1	3,01	10,08	7,06
13	1	-3	0	7	0	7	0	2,53	8,64	6,11
14	0	-4	0	7	0	7	0	2,28	7,50	5,22
15	-1	1	-1	9	2	11	0	1,80	7,09	5,29
16	0	2	0	11	0	11	1	2,06	7,24	5,18
17	1	3	0	11	0	11	1	2,35	7,36	5,01
18	0	-5	1	9	-2	7	0	2,15	7,08	4,93
19	-1	2	-1	9	2	11	0	1,77	6,58	4,82
20	-2	1	0	11	0	11	0	1,48	6,30	4,82
21	-1	2	0	11	0	11	1	1,67	6,39	4,72
22	0	3	0	11	0	11	1	1,86	6,47	4,61
23	1	4	0	11	0	11	1	2,42	6,83	4,41
24	0	-6	1	9	-2	7	0	2,24	6,52	4,29
25	-1	3	-1	9	2	11	0	1,87	6,29	4,42
26	0	4	0	11	0	11	1	2,45	6,44	3,99
27	1	5	0	11	0	11	1	2,75	6,70	3,95
28	2	-5	1	9	-2	7	1	2,95	7,07	4,12
29	1	-6	0	7	0	7	0	2,86	6,86	3,99

30	0	-7	0	7	0	7	0	2,79	6,61	3,82
31	1	6	-1	9	2	11	1	3,09	6,88	3,79

REQUIRED PRECISION ACHIEVED
8

1	1	1	0	6	0	6	1	3,85	17,44	13,58
2	0	-1	1	8	-1	7	0	2,20	13,28	11,09
3	1	1	-1	12	0	12	1	3,37	14,57	11,20
4	2	0	1	9	-2	7	1	4,64	15,45	10,80
5	3	1	1	9	-2	7	1	5,89	16,07	10,17
6	4	2	1	9	-2	7	1	6,94	16,43	9,49
7	3	1	1	9	-2	7	0	5,57	13,46	7,89
8	2	0	1	9	-2	7	0	4,68	11,75	7,08
9	3	1	1	9	-2	7	1	5,51	12,30	6,79
10	2	0	1	9	-2	7	0	4,79	11,26	6,47
11	1	-1	1	9	-2	7	0	4,26	10,66	6,40
12	0	-2	0	7	0	7	0	3,73	10,06	6,34
13	1	1	-1	10	1	11	1	4,31	10,22	5,90
14	2	-1	1	9	-2	7	1	4,81	10,52	5,71
15	1	-2	0	7	0	7	0	4,58	10,29	5,72
16	2	-1	0	7	0	7	1	4,91	10,46	5,55
17	1	-2	0	7	0	7	0	4,68	10,25	5,57
18	2	-1	0	7	0	7	1	5,01	10,42	5,41
19	3	0	0	7	0	7	1	5,44	10,60	5,15
20	2	-1	1	9	-2	7	0	5,10	10,38	5,28
21	1	-2	0	7	0	7	0	4,86	10,16	5,30
22	0	-3	0	7	0	7	0	4,67	9,85	5,18
23	-1	0	-1	9	2	11	0	4,29	9,43	5,14
24	0	1	0	11	0	11	1	4,60	9,55	4,95
25	1	2	0	11	0	11	1	4,75	9,73	4,99
26	0	-4	1	9	-2	7	0	4,61	9,41	4,80
27	-1	1	-1	9	2	11	0	4,24	9,14	4,89
28	0	2	0	11	0	11	1	4,56	9,26	4,70
29	1	3	0	11	0	11	1	4,67	9,35	4,68
30	0	-5	1	9	-2	7	0	4,57	9,11	4,54
31	1	4	-1	9	2	11	1	4,67	9,22	4,55

32	2	-4	1	9	-2	7	1	4.84	9.41	4.57
33	3	-3	0	7	0	7	1	5.06	9.63	4.57
34	2	-4	0	7	0	7	0	4.89	9.38	4.49
35	1	-5	0	7	0	7	0	4.77	9.16	4.39
36	0	-6	0	7	0	7	0	4.67	8.89	4.22
37	1	5	-1	9	2	11	1	4.76	9.01	4.25
38	0	-7	1	9	-2	7	0	4.67	8.68	4.02
39	1	6	-1	9	2	11	1	4.75	8.83	4.08
40	0	-8	1	9	-2	7	0	4.67	8.49	3.82
41	-1	5	-1	9	2	11	0	4.56	8.41	3.85
42	-2	4	0	11	0	11	0	4.35	8.32	3.97
43	-3	3	0	11	0	11	0	4.12	8.19	4.07
44	-4	2	0	11	0	11	0	3.96	8.03	4.07
45	-5	1	0	11	0	11	0	3.84	7.82	3.98
46	-4	2	0	11	0	11	1	4.11	8.05	3.94
47	-5	1	0	11	0	11	0	3.95	7.87	3.91
48	-6	0	0	11	0	11	0	3.84	7.62	3.78

REQUIRED PRECISION ACHIEVED
9

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	2	1	1	8	-1	7	1	5.67	17.82	12.16
3	3	2	1	9	-2	7	1	7.01	18.05	11.04
4	4	3	1	9	-2	7	1	8.25	18.19	9.94
5	5	4	1	9	-2	7	1	9.17	18.28	9.11
6	4	3	1	9	-2	7	0	6.88	16.99	10.12
7	3	2	1	9	-2	7	0	5.81	14.29	8.48
8	2	1	1	9	-2	7	0	5.08	13.09	8.01
9	3	2	1	9	-2	7	1	5.65	13.35	7.72
10	2	1	1	9	-2	7	0	4.83	11.99	7.15
11	3	2	1	9	-2	7	1	5.34	12.29	6.95
12	2	1	1	9	-2	7	0	4.71	11.31	6.59
13	3	2	1	9	-2	7	1	5.11	11.45	6.33
14	4	3	1	9	-2	7	1	5.54	11.65	6.11
15	5	4	1	9	-2	7	1	5.75	11.99	6.24
16	6	5	1	9	-2	7	1	5.97	12.23	6.25

17	5	4	1	9	-2	7	0	5,65	11,38	5,75
18	6	5	1	9	-2	7	1	5,81	11,46	5,65
19	5	4	1	9	-2	7	0	5,55	11,19	5,64
20	6	5	1	9	-2	7	1	5,70	11,27	5,57
21	7	6	1	9	-2	7	1	5,86	11,34	5,49
22	6	5	1	9	-2	7	0	5,62	11,11	5,49
23	5	4	1	9	-2	7	0	5,32	10,79	5,47
24	6	5	1	9	-2	7	1	5,56	10,94	5,37
25	7	6	1	9	-2	7	1	5,73	11,10	5,37
26	6	5	1	9	-2	7	0	5,62	10,91	5,29
27	7	6	1	9	-2	7	1	5,77	11,07	5,30
28	8	7	1	9	-2	7	1	5,93	11,18	5,25
29	7	6	1	9	-2	7	0	5,80	11,05	5,25
30	6	5	1	9	-2	7	0	5,70	10,85	5,15
31	5	4	1	9	-2	7	0	5,61	10,57	4,95
32	6	5	1	9	-2	7	1	5,75	10,82	5,09
33	5	4	1	9	-2	7	0	5,65	10,53	4,88
34	4	3	1	9	-2	7	0	5,58	10,32	4,74
35	5	4	1	9	-2	7	1	5,69	10,50	4,81
36	6	5	1	9	-2	7	1	5,79	10,77	4,97
37	5	4	1	9	-2	7	0	5,72	10,48	4,76
38	6	5	1	9	-2	7	1	5,81	10,73	4,92
39	5	4	1	9	-2	7	0	5,70	10,44	4,73
40	6	5	1	9	-2	7	1	5,81	10,62	4,81
41	5	4	1	9	-2	7	0	5,71	10,37	4,66
42	4	3	1	9	-2	7	0	5,65	10,11	4,49
43	3	2	1	9	-2	7	0	5,57	9,74	4,18
44	2	1	1	9	-2	7	0	5,52	9,44	3,92
45	1	0	1	9	-2	7	0	5,38	9,31	3,93
46	0	-1	1	9	-2	7	0	5,19	9,16	3,97
47	-1	-1	-1	12	0	12	0	5,08	9,04	3,96
48	-2	-1	-1	10	1	11	0	4,94	8,72	3,78

REQUIRED PRECISION ACHIEVED

| | | |

35	5	-1	0	7	0	7	1	5.64	9.80	4.17
36	4	-2	0	7	0	7	0	5.58	9.62	4.05
37	3	-3	0	7	0	7	0	5.52	9.48	3.96
38	2	-4	0	7	0	7	0	5.35	9.42	4.07
39	1	-5	0	7	0	7	0	5.18	9.36	4.17
40	0	-6	0	7	0	7	0	5.04	9.28	4.24
41	-1	3	-1	9	2	11	0	4.77	8.97	4.20
42	0	4	0	11	0	11	1	4.88	9.07	4.19
43	1	5	0	11	0	11	1	5.01	9.15	4.14
44	0	-7	1	9	-2	7	0	4.91	9.05	4.14
45	1	6	-1	9	2	11	1	5.04	9.14	4.09
46	0	-8	1	9	-2	7	0	4.93	9.03	4.10
47	-1	5	-1	9	2	11	0	4.72	8.61	3.90
48	0	6	0	11	0	11	1	4.81	8.75	3.95
49	1	7	0	11	0	11	1	4.92	8.87	3.96
50	2	-7	1	9	-2	7	1	5.21	9.07	3.85
51	3	-6	0	7	0	7	1	5.55	9.21	3.67

REQUIRED PRECISION ACHIEVED
11

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	-1	7	0	2.95	16.35	13.41
3	-1	-1	-1	12	0	12	0	2.01	12.51	10.50
4	0	0	-1	10	2	12	1	3.06	13.40	10.35
5	-1	-1	0	12	0	12	0	2.39	11.76	9.38
6	-2	-2	-1	10	2	12	0	1.89	10.70	8.81
7	-3	-3	-1	10	2	12	0	1.59	9.93	8.34
8	-4	-4	-1	10	2	12	0	1.34	9.34	8.00
9	-5	-5	-1	10	2	12	0	1.21	9.09	7.87
10	-6	-6	-1	10	2	12	0	1.12	8.77	7.65
11	-5	-5	-1	10	2	12	1	1.51	9.30	7.79
12	-6	-6	-1	10	2	12	0	1.36	9.08	7.72
13	-7	-7	-1	10	2	12	0	1.24	8.80	7.56
14	-8	-8	-1	10	2	12	0	1.15	8.45	7.31
				TAIL CHANGE FROM 1						
15	-9	-9	-1	10	2	12	0	1.07	8.19	7.12

16	-8	1	-1	3	1	4	1	1.10	8.21	7.11
17	-7	2	0	4	0	4	1	1.13	8.23	7.09
18	-6	3	0	4	0	4	1	1.17	8.25	7.08
19	-5	4	0	4	0	4	1	1.20	8.26	7.06
20	-4	5	0	4	0	4	1	1.24	8.28	7.04
21	-3	6	0	4	0	4	1	1.28	8.29	7.02
22	-2	7	0	4	0	4	1	1.32	8.31	6.99
23	-3	6	0	4	0	4	0	0.98	8.07	7.08
24	-2	7	0	4	0	4	1	1.00	8.09	7.08
25	-1	8	0	4	0	4	1	1.03	8.10	7.07
26	0	9	0	4	0	4	1	1.06	8.12	7.07
27	1	10	0	4	0	4	1	1.08	8.14	7.06
28	0	0	1	6	0	6	0	0.81	6.28	5.48
29	1	1	0	6	0	6	1	1.02	6.84	5.82
30	2	0	1	8	-1	7	1	1.39	7.59	6.20
31	1	-1	1	9	-2	7	0	1.29	7.32	6.03
32	0	-2	0	7	0	7	0	1.20	7.07	5.86
33	1	-1	-1	5	0	5	1	1.51	7.29	5.78
34	0	-3	1	7	0	7	0	1.42	7.07	5.65
35	1	-2	-1	5	0	5	1	1.65	7.26	5.61
36	0	-4	1	7	0	7	0	1.59	7.05	5.46
37	1	-3	-1	5	0	5	1	1.81	7.22	5.40
38	0	-5	1	7	0	7	0	1.75	7.03	5.28
39	1	-4	-1	5	0	5	1	2.02	7.18	5.15
40	0	-6	1	7	0	7	0	1.94	7.00	5.06
41	1	-5	-1	5	0	5	1	2.29	7.13	4.84
42	0	-7	1	7	0	7	0	2.19	6.97	4.77
43	1	-6	-1	5	0	5	1	2.54	7.09	4.55
44	0	-8	1	7	0	7	0	2.51	6.93	4.42
45	1	-7	-1	5	0	5	1	2.63	7.04	4.39
46	0	-9	1	7	0	7	0	2.61	6.89	4.28
47	1	-8	-1	5	0	5	1	2.77	7.00	4.23
48	0	-10	1	7	0	7	0	2.72	6.85	4.12
49	1	-9	-1	5	0	5	1	2.89	6.95	4.06
50	0	-11	1	7	0	7	0	2.84	6.80	3.96

51	-1	8	-1	5	0	5	0	2.18	5.87	3.69

REQUIRED PRECISION ACHIEVED

12

1	1	1	0	6	0	6	1	3.85	17.44	13.58
2	0	-1	1	8	-1	7	0	2.60	15.14	12.54
3	-1	-1	-1	12	0	12	0	2.00	12.45	10.44
4	-2	-2	-1	10	2	12	0	1.71	11.08	9.37
5	-1	-1	-1	10	2	12	1	2.66	12.12	9.46
6	0	0	-1	10	2	12	1	3.79	13.11	9.31
7	-1	-1	0	12	0	12	0	3.30	11.91	8.61
8	-2	-2	-1	10	2	12	0	2.86	11.15	8.30
9	-1	-1	-1	10	2	12	1	5.85	11.73	7.88
10	-2	-2	-1	10	2	12	0	3.26	11.16	7.90
11	-1	-1	-1	10	2	12	1	4.15	11.40	7.25
12	-2	-2	-1	10	2	12	0	3.63	11.05	7.42
13	-1	-1	-1	10	2	12	1	4.48	11.27	6.79
14	0	0	-1	10	2	12	1	4.94	11.44	6.51
15	-1	-1	0	12	0	12	0	4.61	11.17	6.56
16	-2	-2	-1	10	2	12	0	4.16	10.89	6.73
17	-3	-3	-1	10	2	12	0	3.74	10.53	6.79
18	-4	-4	-1	10	2	12	0	3.41	10.22	6.81
19	-5	-5	-1	10	2	12	0	3.00	9.77	6.77
20	-4	-4	-1	10	2	12	1	3.65	10.19	6.55
21	-3	-3	-1	10	2	12	1	4.21	10.45	6.23
22	-4	-4	-1	10	2	12	0	3.84	10.16	6.32
23	-5	-5	-1	10	2	12	0	3.59	9.74	6.15
24	-6	-6	-1	10	2	12	0	3.29	9.28	5.99
25	-7	-7	-1	10	2	12	0	3.00	8.79	5.79
26	-8	-8	-1	10	2	12	0	2.79	8.37	5.59
27	-7	-7	-1	10	2	12	1	3.27	8.82	5.55
28	-6	-6	-1	10	2	12	1	3.70	9.27	5.57
29	-5	-5	-1	10	2	12	1	4.15	9.63	5.48
30	-4	-4	-1	10	2	12	1	4.58	10.00	5.43
31	-5	-5	-1	10	2	12	0	4.38	9.58	5.19
32	-6	-6	-1	10	2	12	0	4.05	9.24	5.20

33	-7	-7	-1	10	2	12	0	3.81	8.85	5.03
34	-8	-8	-1	10	2	12	0	3.77	8.48	4.71
				TAIL CHANGE FROM 1						
35	-9	-9	-1	10	2	12	0	3.73	8.36	4.63
36	-8	1	-1	3	1	4	1	3.74	8.36	4.62
37	-7	2	0	4	0	4	1	3.75	8.37	4.62
38	-8	1	0	4	0	4	0	3.60	8.32	4.72
39	-7	2	0	4	0	4	1	3.62	8.32	4.71
40	-6	3	0	4	0	4	1	3.65	8.32	4.70
41	-5	4	0	4	0	4	1	3.64	8.33	4.69
42	-4	5	0	4	0	4	1	3.65	8.33	4.68
43	-3	6	0	4	0	4	1	3.67	8.33	4.67
44	-2	7	0	4	0	4	1	3.68	8.34	4.66
45	-1	8	0	4	0	4	1	3.69	8.34	4.65
46	0	9	0	4	0	4	1	3.70	8.34	4.64
47	1	1	0	4	1	5	1	3.84	8.37	4.53
48	0	-2	1	7	0	7	0	3.70	8.23	4.53
49	1	2	-1	5	0	5	1	3.82	8.26	4.44
50	0	-3	1	7	0	7	0	3.70	8.12	4.42
51	1	3	-1	5	0	5	1	3.80	8.15	4.35
52	0	-4	1	7	0	7	0	3.70	7.99	4.30
53	1	4	-1	5	0	5	1	3.78	8.03	4.25
54	0	-5	1	7	0	7	0	3.69	7.85	4.16
55	1	5	-1	5	0	5	1	3.73	7.84	4.11
56	0	-6	1	7	0	7	0	3.65	7.61	3.96
57	1	6	-1	5	0	5	1	3.69	7.60	3.92
58	2	-5	1	7	0	7	1	3.88	7.91	4.03
59	3	-4	0	7	0	7	1	4.17	8.13	3.95
60	2	-5	0	7	0	7	0	4.03	7.98	3.95
61	3	-4	0	7	0	7	1	4.39	8.17	3.78
REQUIRED PRECISION ACHIEVED										
13										
1	-1	-1	0	6	0	6	0	0.87	11.93	11.06
2	0	1	-1	12	0	12	1	1.01	15.61	14.60
3	-1	0	0	12	0	12	0	0.90	11.12	10.22

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38	0	-4	0	7	0	7	0	2.57	7.32	4.75
39	1	14	-1	5	0	5	1	2.66	7.33	4.67
40	0	-5	1	7	0	7	0	2.59	7.20	4.62
41	1	15	-1	5	0	5	1	2.73	7.27	4.53
42	0	-6	1	7	0	7	0	2.69	7.17	4.49
43	1	16	-1	5	0	5	1	2.84	7.24	4.40
44	2	-5	1	7	0	7	1	3.01	7.39	4.38
45	3	-4	0	7	0	7	1	3.24	7.53	4.28
46	2	-5	0	7	0	7	0	3.14	7.45	4.31
47	1	-6	0	7	0	7	0	3.05	7.39	4.33
48	0	-7	0	7	0	7	0	2.98	7.32	4.34
49	1	17	-1	5	0	5	1	3.18	7.36	4.17
50	0	-8	1	7	0	7	0	3.10	7.29	4.18
51	1	18	-1	5	0	5	1	3.33	7.33	4.00
52	0	-9	1	7	0	7	0	3.24	7.26	4.02
53	1	19	-1	5	0	5	1	3.49	7.30	3.80
54	0	-10	1	7	0	7	0	3.39	7.22	3.83
55	1	20	-1	5	0	5	1	3.55	7.27	3.74

REQUIRED PRECISION ACHIEVED
14

1	1	1	0	6	0	6	1	3.75	17.44	13.69
2	0	-1	1	8	-1	7	0	2.81	15.98	13.16
3	1	1	-1	12	0	12	1	3.85	16.71	12.86
4	2	0	1	9	-2	7	1	5.55	17.18	11.63
5	1	-1	1	9	-2	7	0	4.29	16.15	11.86
6	0	-2	0	7	0	7	0	3.50	14.96	11.46
7	-1	0	-1	10	2	12	0	2.74	12.99	10.25
8	-2	-1	0	12	0	12	0	2.39	11.80	9.40
9	-3	-2	-1	10	2	12	0	2.01	10.77	8.77
10	-4	-3	-1	10	2	12	0	1.80	9.98	8.18
11	-5	-4	-1	10	2	12	0	1.67	9.26	7.59
12	-6	-5	-1	10	2	12	0	1.59	8.66	7.06
13	-7	-6	-1	10	2	12	0	1.54	8.14	6.60
14	-8	-7	-1	10	2	12	0	1.50	7.61	6.10

TAIL CHANGE FROM 1

15	-9	-8	-1	10	2	12	0	1,44	7,30	5,86
16	-8	1	-1	3	2	5	1	1,66	7,42	5,75
17	-7	2	0	5	0	5	1	1,92	7,52	5,60
18	-6	3	0	5	0	5	1	2,26	7,71	5,44
19	-5	4	0	5	0	5	1	2,63	7,86	5,22
20	-6	3	0	5	0	5	0	1,74	6,95	5,21
21	-5	4	0	5	0	5	1	1,97	7,10	5,13
22	-4	5	0	5	0	5	1	2,29	7,22	4,93
23	-3	6	0	5	0	5	1	2,60	7,32	4,71
24	-2	7	0	5	0	5	1	2,83	7,39	4,57
25	-1	8	0	5	0	5	1	3,08	7,45	4,38
26	0	9	0	5	0	5	1	3,35	7,56	4,21
27	1	10	0	5	0	5	1	3,53	7,72	4,19
28	2	-1	1	7	0	7	1	3,60	8,07	4,47
29	1	-2	0	7	0	7	0	3,57	7,89	4,33
30	0	-3	0	7	0	7	0	3,54	7,68	4,14
31	1	11	-1	5	0	5	1	3,59	7,81	4,23
32	2	-2	1	7	0	7	1	3,67	8,13	4,45
33	3	-1	0	7	0	7	1	3,80	8,34	4,54
34	2	-2	0	7	0	7	0	3,74	8,23	4,49
35	3	-1	0	7	0	7	1	3,90	8,41	4,51
36	2	-2	0	7	0	7	0	3,82	8,31	4,49
37	1	-3	0	7	0	7	0	3,76	8,19	4,43
38	0	-4	0	7	0	7	0	3,71	8,06	4,35
39	1	12	-1	5	0	5	1	3,77	8,14	4,37
40	0	-5	1	7	0	7	0	3,72	7,99	4,27
41	1	13	-1	5	0	5	1	3,78	8,08	4,30
42	0	-6	1	7	0	7	0	3,73	7,92	4,19
43	-1	12	-1	5	0	5	0	3,54	7,13	3,60

REQUIRED PRECISION ACHIEVED
15

1	1	1	0	6	0	6	1	3,75	17,44	13,69
2	0	-1	1	8	-1	7	0	2,81	15,98	13,16
3	-1	-1	-1	12	0	12	0	2,06	12,97	10,91
4	-2	-2	-1	10	2	12	0	1,75	11,17	9,42

5	-1	-1	-1	10	2	12	1	2,27	12.20	9.93
6	0	0	-1	10	2	12	1	3,13	13.03	9.90
7	-1	-1	0	12	0	12	0	2,55	11.67	9.12
8	-2	-2	-1	10	2	12	0	2,10	10.83	8.73
9	-3	-3	-1	10	2	12	0	1,85	10.04	8.20
10	-4	-4	-1	10	2	12	0	1,67	9.30	7.63
11	-3	-3	-1	10	2	12	1	2,03	10.05	8.02
12	-4	-4	-1	10	2	12	0	1,81	9.37	7.56
13	-3	-3	-1	10	2	12	1	2,29	10.06	7.76
14	-4	-4	-1	10	2	12	0	1,99	9.42	7.42
15	-3	-3	-1	10	2	12	1	2,58	10.06	7.47
16	-4	-4	-1	10	2	12	0	2,25	9.45	7.20
17	-3	-3	-1	10	2	12	1	2,81	10.05	7.24
18	-2	-2	-1	10	2	12	1	3,54	10.43	6.89
19	-1	-1	-1	10	2	12	1	4,54	10.82	6.28
20	-2	-2	-1	10	2	12	0	3,87	10.39	6.53
21	-3	-3	-1	10	2	12	0	3,40	10.02	6.62
22	-2	-2	-1	10	2	12	1	4,28	10.35	6.07
23	-3	-3	-1	10	2	12	0	3,72	10.00	6.28
24	-4	-4	-1	10	2	12	0	3,31	9.50	6.19
25	-5	-5	-1	10	2	12	0	2,97	9.29	6.32
26	-4	-4	-1	10	2	12	1	3,62	9.50	5.87
27	-3	-3	-1	10	2	12	1	4,53	9.95	5.42
28	-2	-2	-1	10	2	12	1	5,36	10.24	4.88
29	-3	-3	-1	10	2	12	0	4,82	9.92	5.10
30	-4	-4	-1	10	2	12	0	4,40	9.49	5.09
31	-3	-3	-1	10	2	12	1	5,15	9.89	4.73
32	-4	-4	-1	10	2	12	0	4,71	9.48	4.77
33	-5	-5	-1	10	2	12	0	4,28	9.34	5.06
34	-6	-6	-1	10	2	12	0	3,81	9.17	5.36
35	-7	-7	-1	10	2	12	0	3,00	8.99	6.00
36	-6	-6	-1	10	2	12	1	3,77	9.09	5.32
37	-5	-5	-1	10	2	12	1	4,46	9.17	4.71
38	-4	-4	-1	10	2	12	1	4,77	9.23	4.46
39	-3	-3	-1	10	2	12	1	5,05	9.29	4.24

40	-4	-4	-1	10	2	12	0	4,69	9,16	4,48
41	-5	-5	-1	10	2	12	0	4,22	9,02	4,80
42	-6	-6	-1	10	2	12	0	3,66	8,84	5,18
43	-7	-7	-1	10	2	12	0	3,12	8,59	5,47
44	-8	-8	-1	10	2	12	0	2,74	8,39	5,65
				TAIL CHANGE FROM 1						
45	-9	-9	-1	10	2	12	0	2,42	8,17	5,75
46	-8	1	-1	3	2	5	1	2,66	8,26	5,60
47	-7	2	0	5	0	5	1	2,86	8,33	5,47
48	-6	3	0	5	0	5	1	3,10	8,38	5,28
49	-5	4	0	5	0	5	1	3,41	8,43	5,02
50	-4	5	0	5	0	5	1	3,67	8,47	4,81
51	-3	6	0	5	0	5	1	3,89	8,53	4,63
52	-2	7	0	5	0	5	1	4,13	8,60	4,48
53	-1	8	0	5	0	5	1	4,37	8,67	4,29
54	0	9	0	5	0	5	1	4,55	8,72	4,17
55	1	10	0	5	0	5	1	4,65	8,77	4,13
56	2	0	1	7	0	7	1	4,90	8,90	4,01
57	1	-1	1	9	-2	7	0	4,78	8,82	4,05
58	0	-2	0	7	0	7	0	4,67	8,73	4,06
59	1	11	-1	5	0	5	1	4,75	8,76	4,02
60	0	-3	1	7	0	7	0	4,65	8,66	4,01
61	1	12	-1	5	0	5	1	4,72	8,70	3,98
62	2	-2	1	7	0	7	1	4,94	8,84	3,90
63	1	-3	0	7	0	7	0	4,83	8,75	3,92
64	0	-4	0	7	0	7	0	4,74	8,65	3,92
65	-1	11	-1	5	0	5	0	4,25	8,41	4,17
66	0	12	0	5	0	5	1	4,45	8,44	3,99
67	1	13	0	5	0	5	1	4,55	8,46	3,91
68	2	-3	1	7	0	7	1	4,75	8,61	3,86
69	3	-2	0	7	0	7	1	4,97	8,76	3,79
REQUIRED PRECISION ACHIEVED										
16										
1	1	1	0	6	0	6	1	3,75	17,44	13,69
2	0	-1	1	8	-1	7	0	2,81	15,98	15,16

| | | |

38	-6	3	0	12	0	12	0	3.68	7.46	3.79

REQUIRED PRECISION ACHIEVED

17										
1	1	1	0	6	0	6	1	3.75	17.44	13.69
2	0	-1	1	8	-1	7	0	2.49	14.25	11.76
3	-1	-1	-1	12	0	12	0	1.82	11.70	9.88
4	-2	-2	-1	10	2	12	0	1.55	10.36	8.81
5	-3	-3	-1	10	2	12	0	1.32	9.27	7.95
6	-4	-4	-1	10	2	12	0	1.16	8.45	7.29
7	-5	-5	-1	10	2	12	0	1.05	7.83	6.78
8	-4	-4	-1	10	2	12	1	1.35	8.58	7.23
9	-3	-3	-1	10	2	12	1	1.78	9.28	7.51
10	-4	-4	-1	10	2	12	0	1.57	8.69	7.12
11	-5	-5	-1	10	2	12	0	1.39	8.20	6.81
12	-6	-6	-1	10	2	12	0	1.23	7.70	6.47
13	-5	-5	-1	10	2	12	1	1.61	8.30	6.69
14	-6	-6	-1	10	2	12	0	1.45	7.89	6.44
15	-5	-5	-1	10	2	12	1	1.87	8.36	6.49
16	-6	-6	-1	10	2	12	0	1.66	8.02	6.36
17	-7	-7	-1	10	2	12	0	1.51	7.59	6.08
18	-8	-8	-1	10	2	12	0	1.34	7.26	5.91
19	-7	-7	-1	10	2	12	1	1.72	7.75	6.03
20	-6	-6	-1	10	2	12	1	2.41	8.18	5.77
21	-5	-5	-1	10	2	12	1	2.97	8.45	5.49
22	-6	-1	-1	10	3	13	0	2.98	8.37	5.39
23	-7	-2	-1	11	2	13	0	2.99	8.30	5.31
24	-8	-3	-1	11	2	13	0	3.00	8.24	5.24
25	-7	-2	-1	11	2	13	1	2.95	8.42	5.48
26	-8	-3	-1	11	2	13	0	2.96	8.35	5.39
				TAIL CHANGE FROM 1						
27	-9	-4	-1	11	2	13	0	2.97	8.28	5.31
28	-8	1	-1	3	2	5	1	3.35	8.33	4.97
29	-9	0	0	5	0	5	0	2.50	7.96	5.46
30	-8	1	0	5	0	5	1	2.75	8.05	5.30
31	-7	2	0	5	0	5	1	3.02	8.12	5.10

32	-6	3	0	5	0	5	1	3,32	8,18	4,85
33	-5	4	0	5	0	5	1	3,54	8,23	4,69
34	-4	5	0	5	0	5	1	3,62	8,27	4,65
35	-3	6	0	5	0	5	1	3,70	8,31	4,61
36	-2	7	0	5	0	5	1	3,77	8,35	4,59
37	-1	8	0	5	0	5	1	3,84	8,39	4,56
38	0	9	0	5	0	5	1	3,91	8,43	4,52
39	1	10	0	5	0	5	1	4,00	8,47	4,47
40	0	-2	1	7	0	7	0	3,91	8,33	4,43
41	1	11	-1	5	0	5	1	3,98	8,37	4,39
42	0	-3	1	7	0	7	0	3,90	8,23	4,33
43	-1	10	-1	5	0	5	0	3,63	7,41	3,79

REQUIRED PRECISION ACHIEVED
18

1	1	1	0	6	0	6	1	3,75	17,44	13,69
2	2	1	1	8	-1	7	1	5,74	17,89	12,15
3	3	2	1	9	-2	7	1	7,61	18,13	10,52
4	2	1	1	9	-2	7	0	5,18	15,74	10,56
5	1	0	1	9	-2	7	0	3,72	13,83	10,11
6	0	-1	1	9	-2	7	0	2,90	12,34	9,44
7	1	1	-1	12	1	13	1	3,37	13,26	9,89
8	0	-2	1	9	-2	7	0	2,65	12,10	9,45
9	-1	0	-1	11	2	13	0	2,54	11,44	8,89
10	-2	-1	0	13	0	13	0	2,44	11,10	8,66
11	-3	-2	-1	11	2	13	0	2,35	10,71	8,36
12	-2	-1	-1	11	2	13	1	2,55	11,32	8,77
13	-3	-2	-1	11	2	13	0	2,45	11,03	8,58
14	-4	-3	-1	11	2	13	0	2,36	10,68	8,32
15	-5	-4	-1	11	2	13	0	2,29	10,37	8,08
16	-4	-3	-1	11	2	13	1	2,47	10,98	8,51
17	-5	-4	-1	11	2	13	0	2,37	10,66	8,30
18	-6	-5	-1	11	2	13	0	2,42	10,49	8,06
19	-7	-6	-1	11	2	13	0	2,48	10,39	7,90
20	-8	-7	-1	11	2	13	0	2,53	10,29	7,76

TAIL CHANGE FROM 1

| | | |

43	3	0	1	9	-2	7	0	5.76	10.74	4.98
44	2	-1	1	9	-2	7	0	5.57	10.42	4.85
45	3	0	0	7	0	7	1	5.85	10.66	4.81
46	2	-1	1	9	-2	7	0	5.66	10.39	4.73
47	1	-2	0	7	0	7	0	5.51	10.16	4.65
48	0	-3	0	7	0	7	0	5.14	9.85	4.71
49	1	11	-1	5	0	5	1	5.26	9.87	4.61
50	2	-2	1	7	0	7	1	5.65	10.14	4.52
51	3	-1	0	7	0	7	1	5.85	10.33	4.48
52	4	0	0	7	0	7	1	6.14	10.46	4.32
53	3	-1	1	9	-2	7	0	5.92	10.30	4.37
54	2	-2	0	7	0	7	0	5.76	10.08	4.32
55	3	-1	0	7	0	7	1	5.99	10.26	4.27
56	2	-2	0	7	0	7	0	5.83	10.04	4.22
57	1	-3	0	7	0	7	0	5.70	9.74	4.04
58	0	-4	0	7	0	7	0	5.60	9.45	3.85
59	1	12	-1	5	0	5	1	5.63	9.46	3.83
60	2	2	1	7	-1	6	1	5.67	9.47	3.80

REQUIRED PRECISION ACHIEVED